

Disney · PIXAR

# TOY STORY



THE SKETCH-BOOK SERIES

- SKETCH  
BOOK @



This sketchbook celebrates the work of the artists who provided concepts, inspiration, and character studies for the feature films *Toy Story* and *Toy Story 2*:

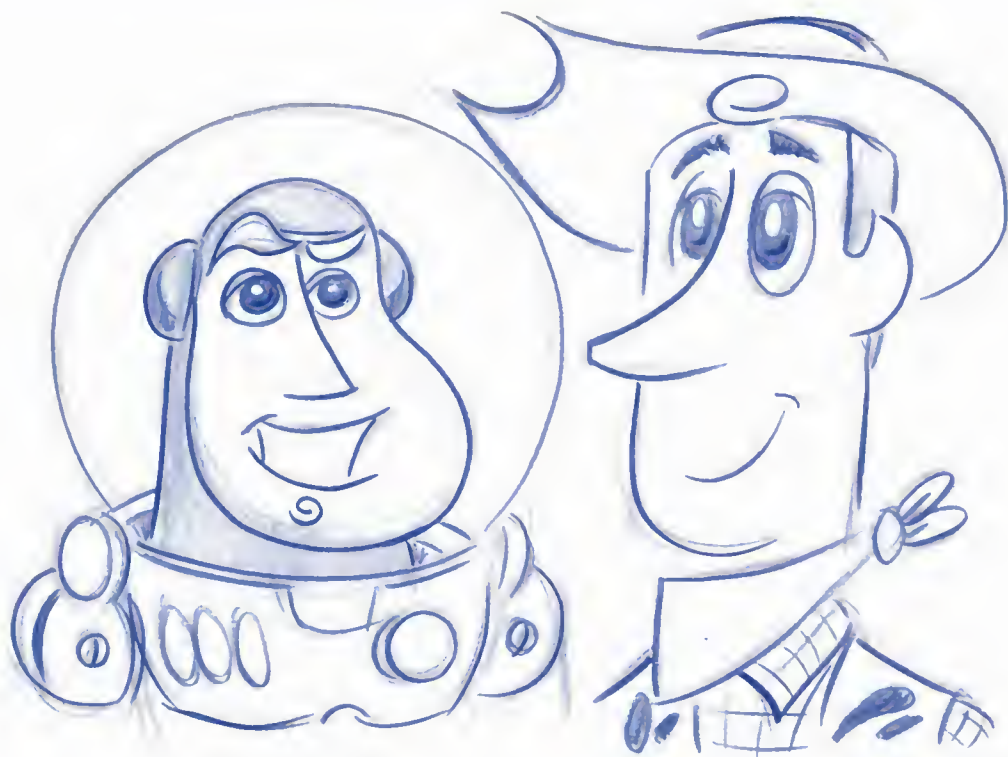


Randy Berrett	Nathaniel McLaughlin
Geefwee Boedoe	Jon Mead
Ash Brannon	Paul Mica
Jim Capobianco	Ken Mitchroney
William Cone	Floyd Norman
Jill Culton	Sanjay Patel
Pete Docter	Bob Pauley
Ralph Eggleston	Jim Pearson
David Fulp	Bob Peterson
Dave Gordon	Laura Phillips
Stephen Gregory	Jeff Pidgeon
Kirk Hanson	Bobby Podesta
Sean Hargreaves	Joe Ranft
Mark Holmes	Nilo Rodis
Harley Jessup	Chris Sanders
Dan Jeup	Jeff Sangalli
William Joyce	Gary Schultz
Tia W. Kratter	David Skelly
John Lasseter	Andrew Stanton
Dan Lee	Doug Sweetland
Bud Luckey	Bud Thon
Matthew Luhn	Tasha Wedeen
Angus Maclane	

and the many others at Pixar Animation Studios who contributed their ideas and talents.

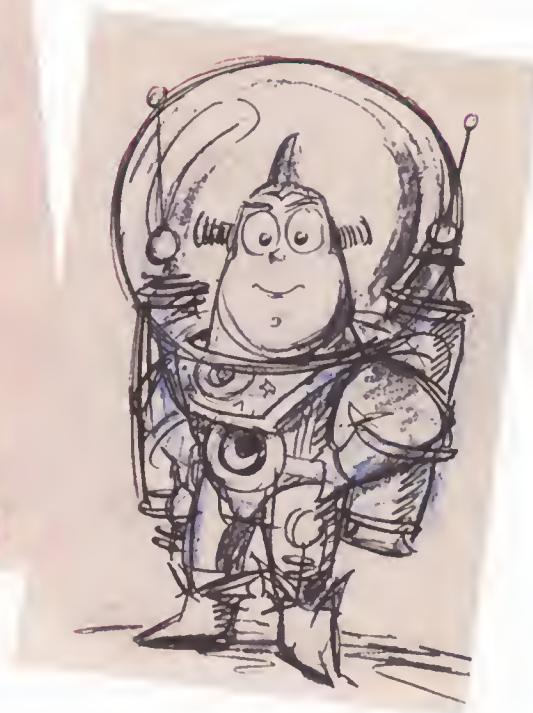






Disney · PIXAR

# TOY STORY



APPLEWOOD BOOKS  
Bedford, Massachusetts



PRODUCED BY  
Applewood Books

DESIGN  
Violeta Díaz

CREATIVE DIRECTION  
John Lasseter + Jim Pearson

PROJECT MANAGEMENT  
Icann Alameda + Eric Huang

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Other books in the Sketchbook Series:

Walt Disney's *Snow White and the Seven Dwarfs*

Walt Disney's *Bambi*

Walt Disney's *Sleeping Beauty*

Disney's *The Little Mermaid*

Walt Disney's *Peter Pan*

Walt Disney's *Lady and the Tramp*



*Art challenges technology  
and technology inspires art.*

*– John Lasseter*



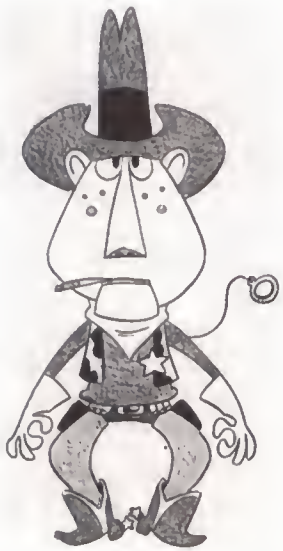
When audiences watch *Toy Story* and *Toy Story 2*, they are seeing a completely believable world—a world they know does not exist, but that looks so real. This is one of the magical elements of our computer animation.

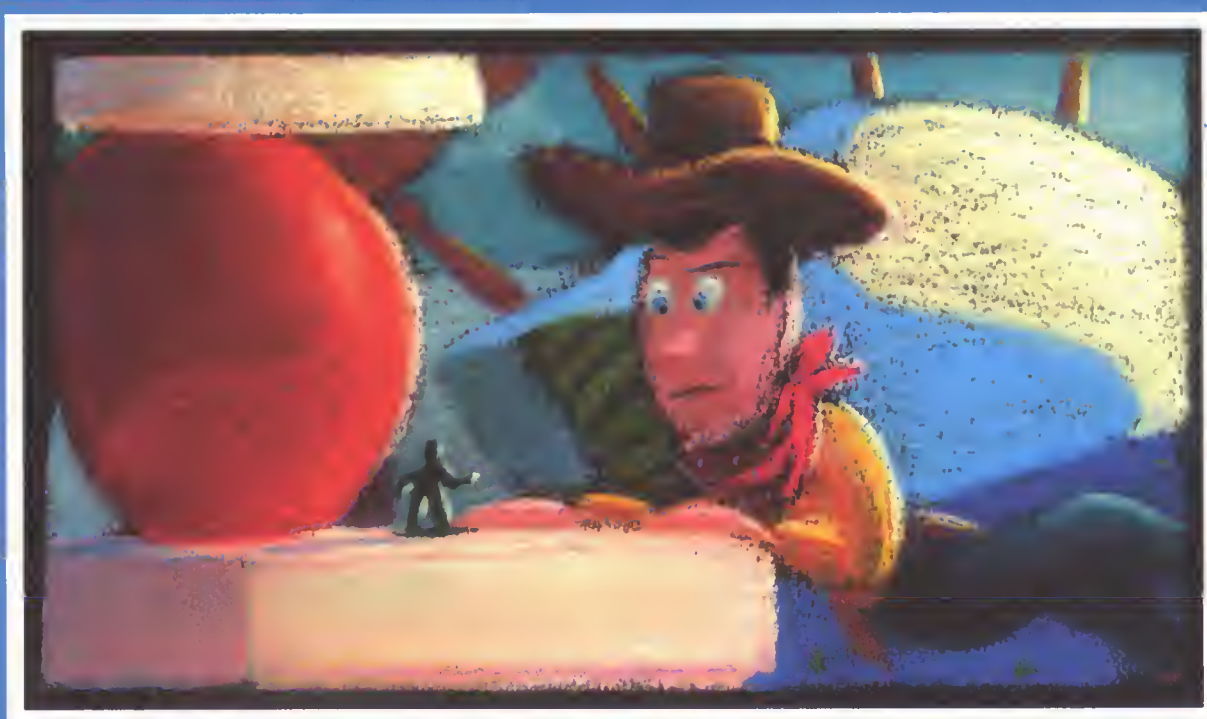
But the computers don't create computer animation any more than a pencil creates pencil animation. What creates computer animation is a very talented group of people. It begins not with a computer, but with drawings—hundreds and hundreds and hundreds of drawings.

The story is created using storyboards done in the traditional way: pencil drawings on paper, pinned to a big bulletin board. The story tells us what characters, objects and sets need to exist to create the complete world of the film.

As the story evolves, everything you see on the screen has to be designed with pencil sketches, color drawings, pastels and paintings. Since the world we create within the computer is truly three-dimensional, we have to design what the back of everything looks like, as well as the front. Once a character, object or set is designed, we do a series of drawings—much like blueprints—to show every side of the models, so that they can be accurately created in the computer.

These drawings, storyboards, pastels and paintings used to design the *Toy Story* world are never seen by the audience, but they are some of Pixar Animation Studios' finest works of art. This sketchbook is a rare opportunity for you to see the *Toy Story* world before the computer touches it.





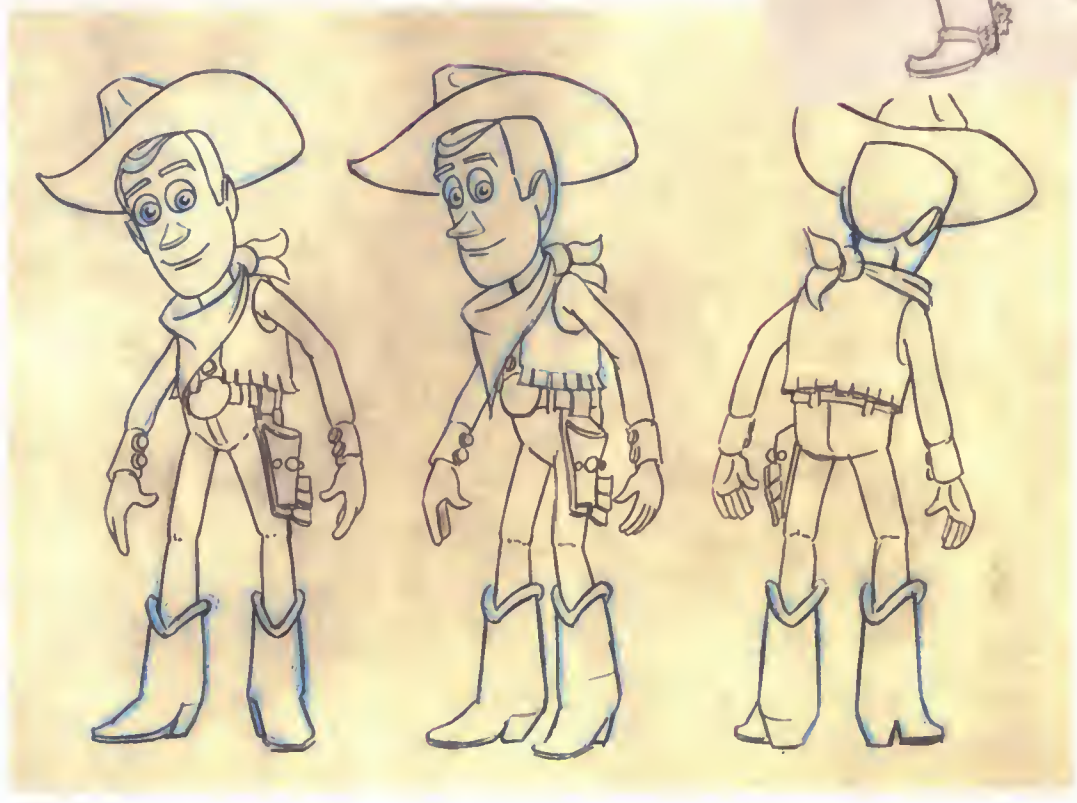
W O O D Y









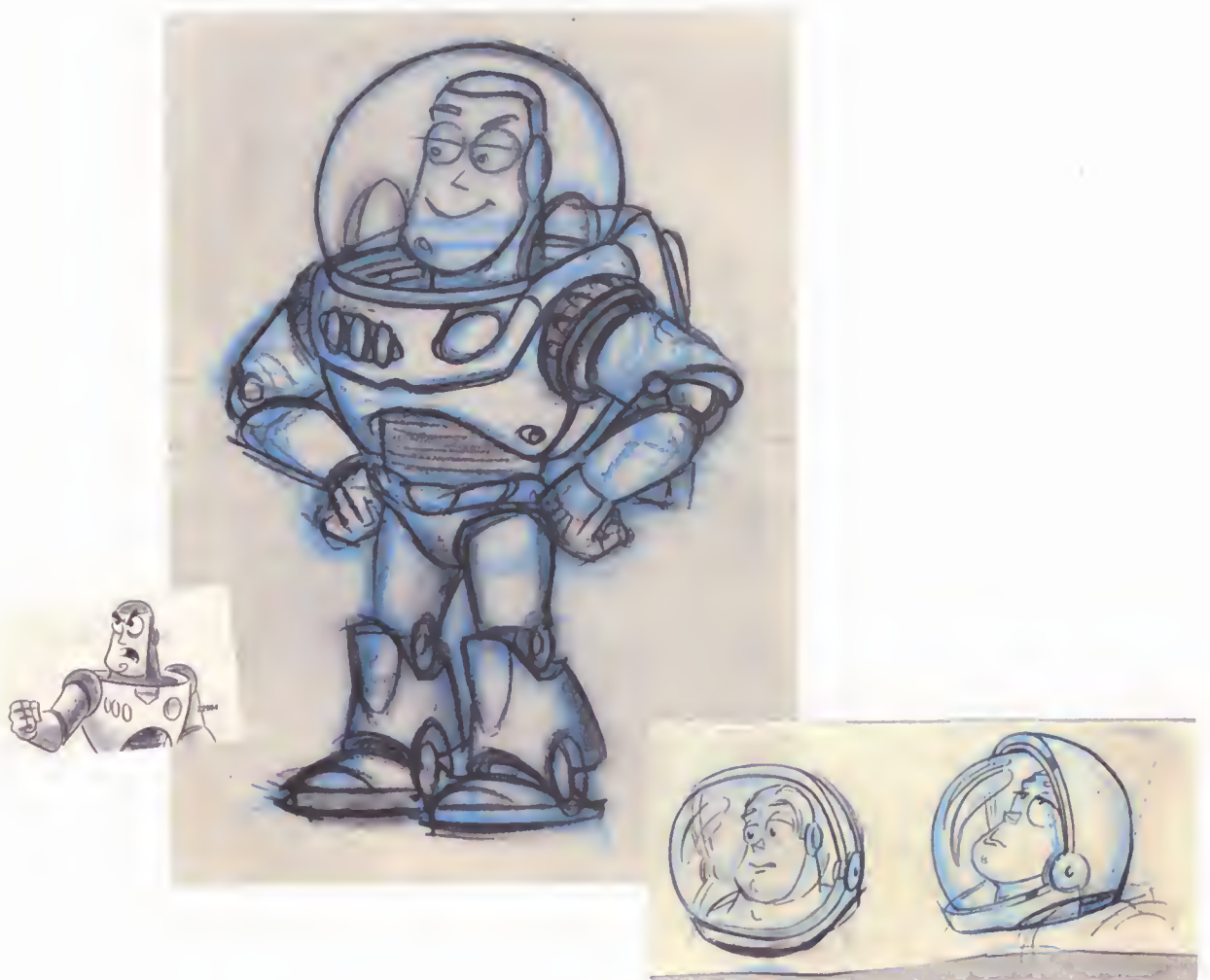


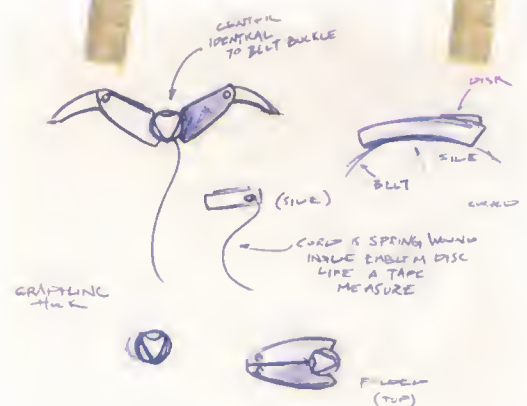
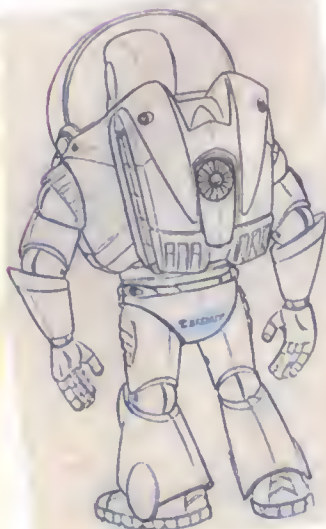
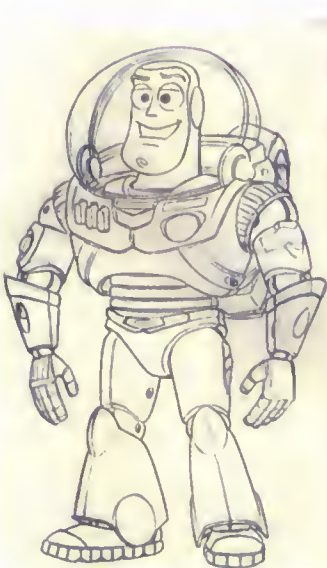
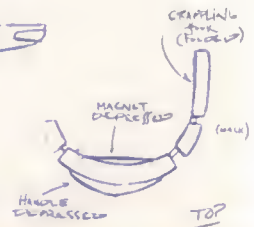




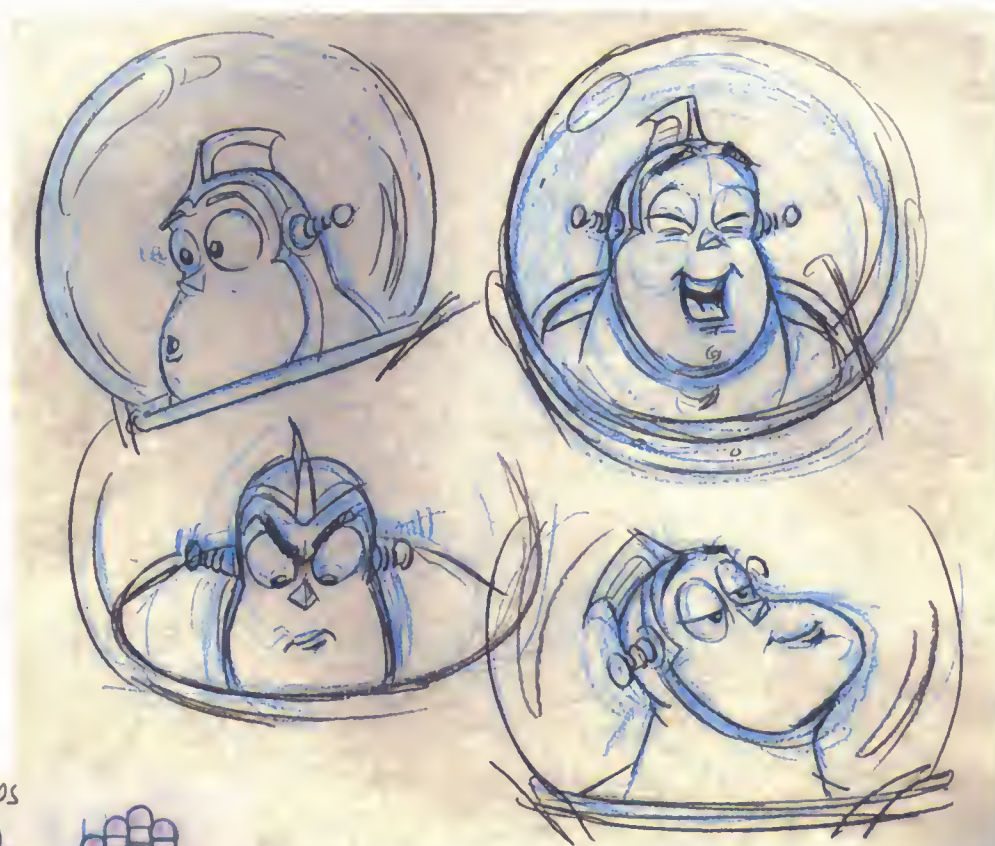


B U Z Z   L I G H T Y E A R

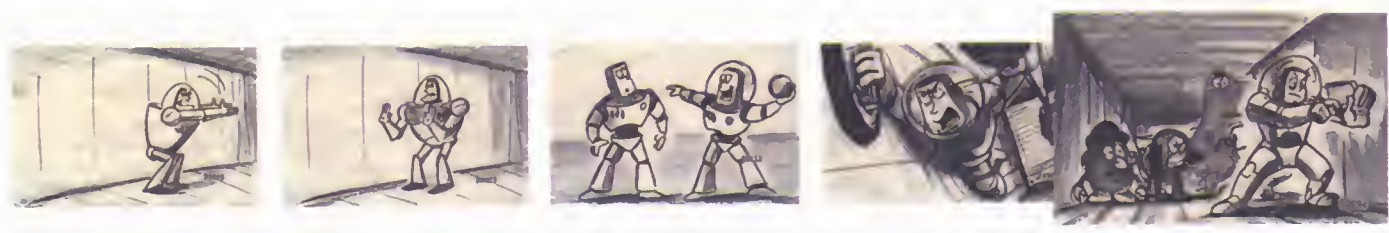
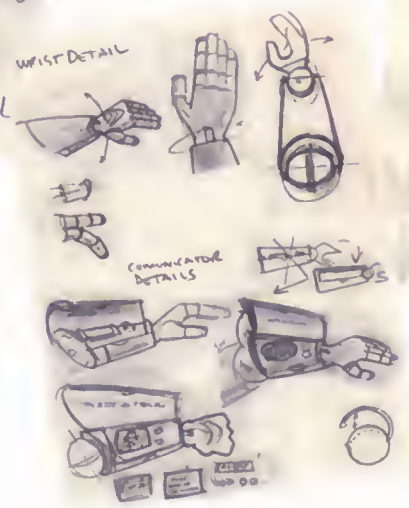
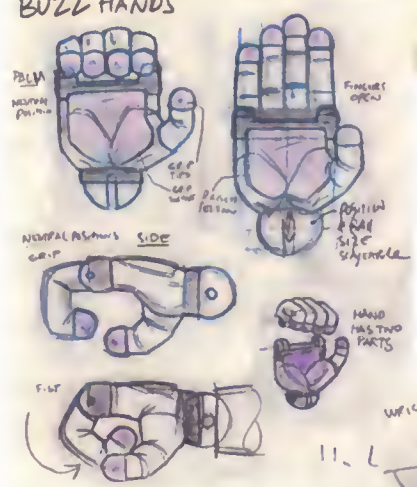




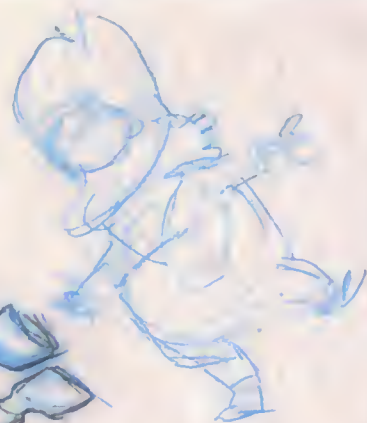
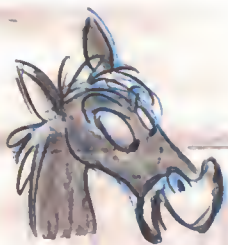




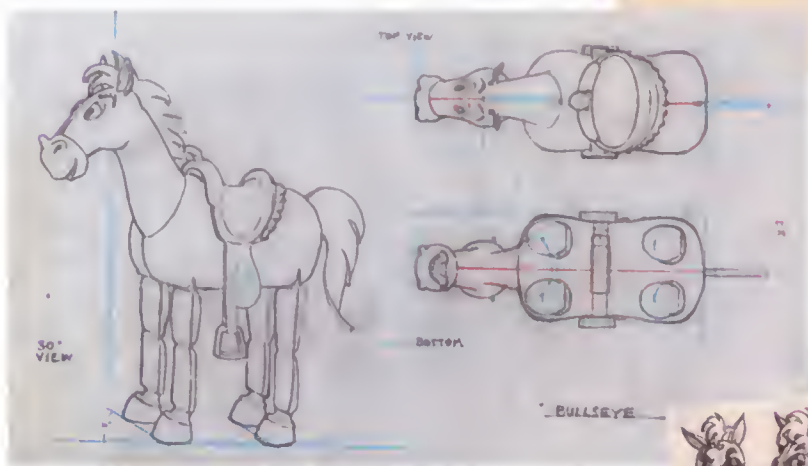
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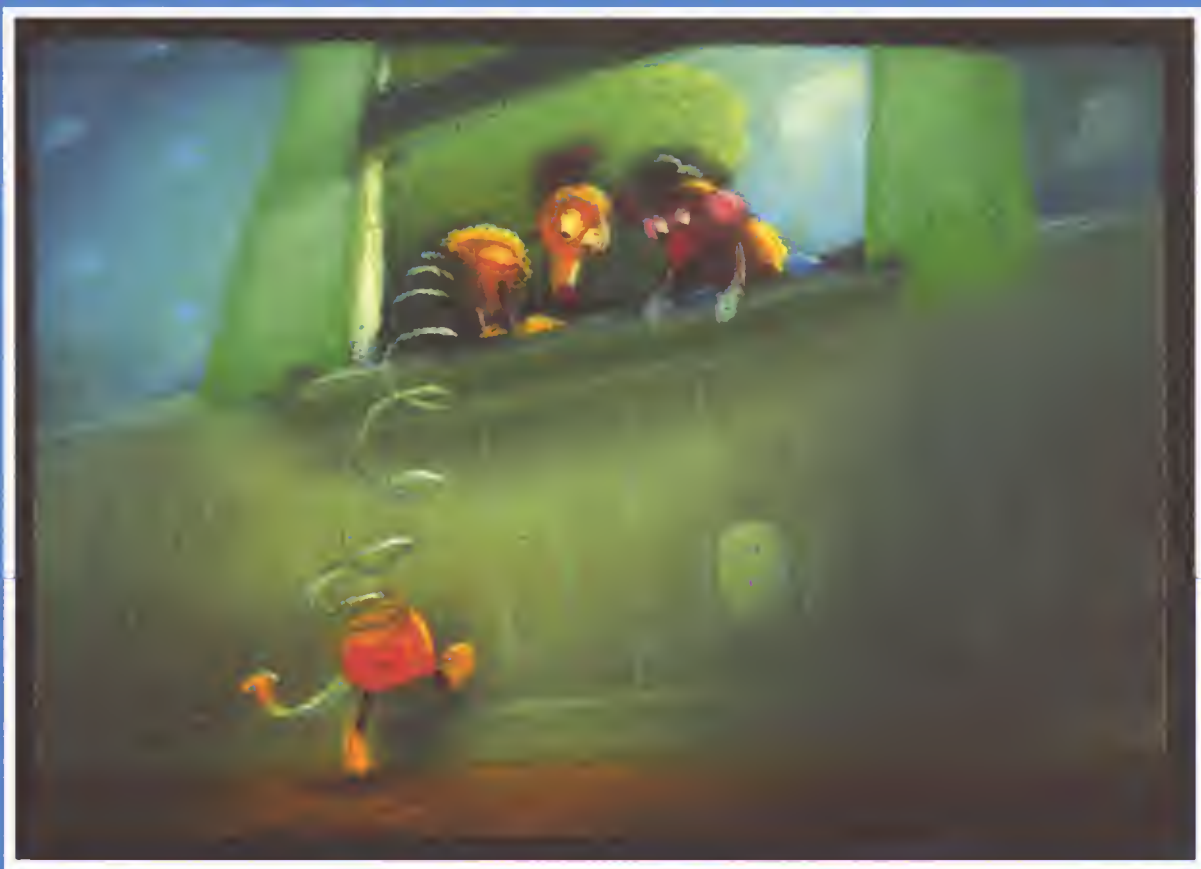












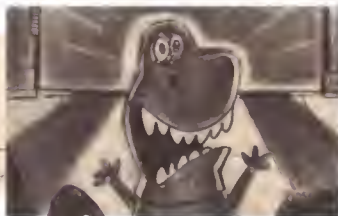


ANDY'S TOYS

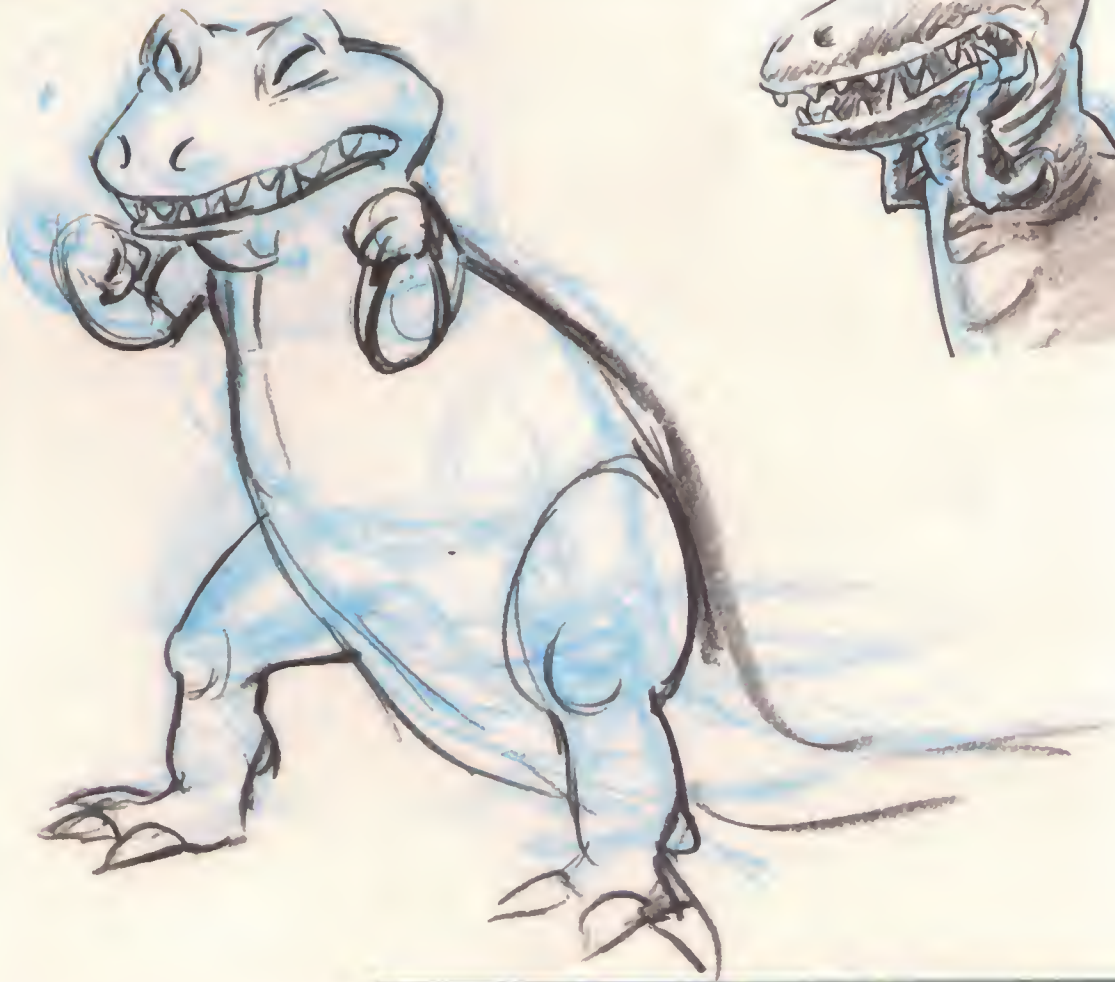
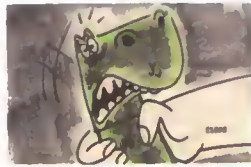




R E X



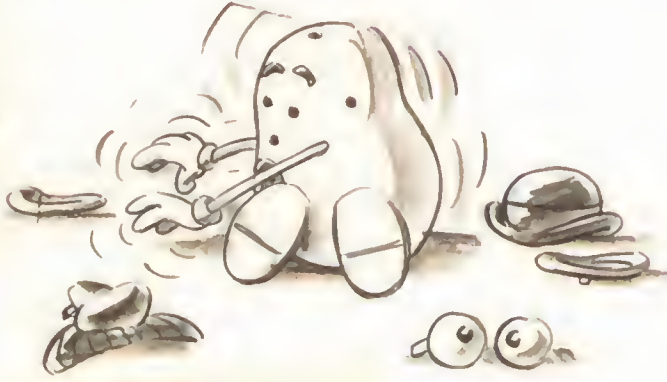
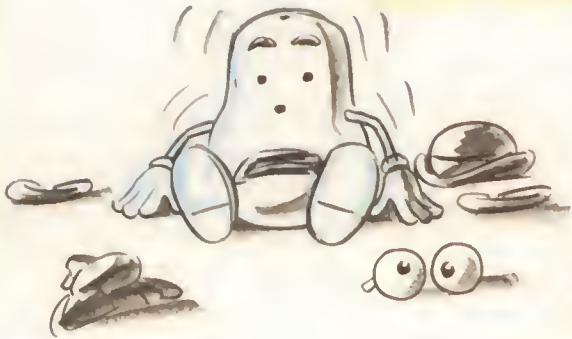
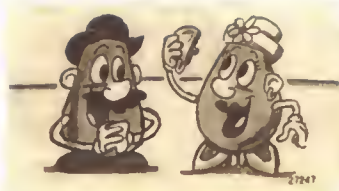




M R .   &   M R S .   P O T A T O   H E A D



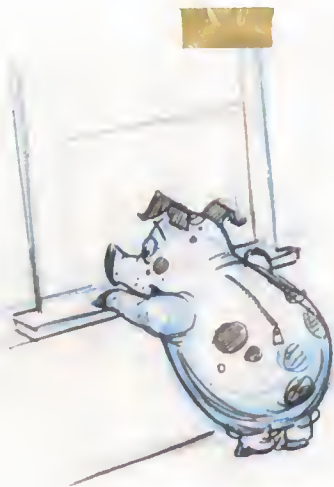






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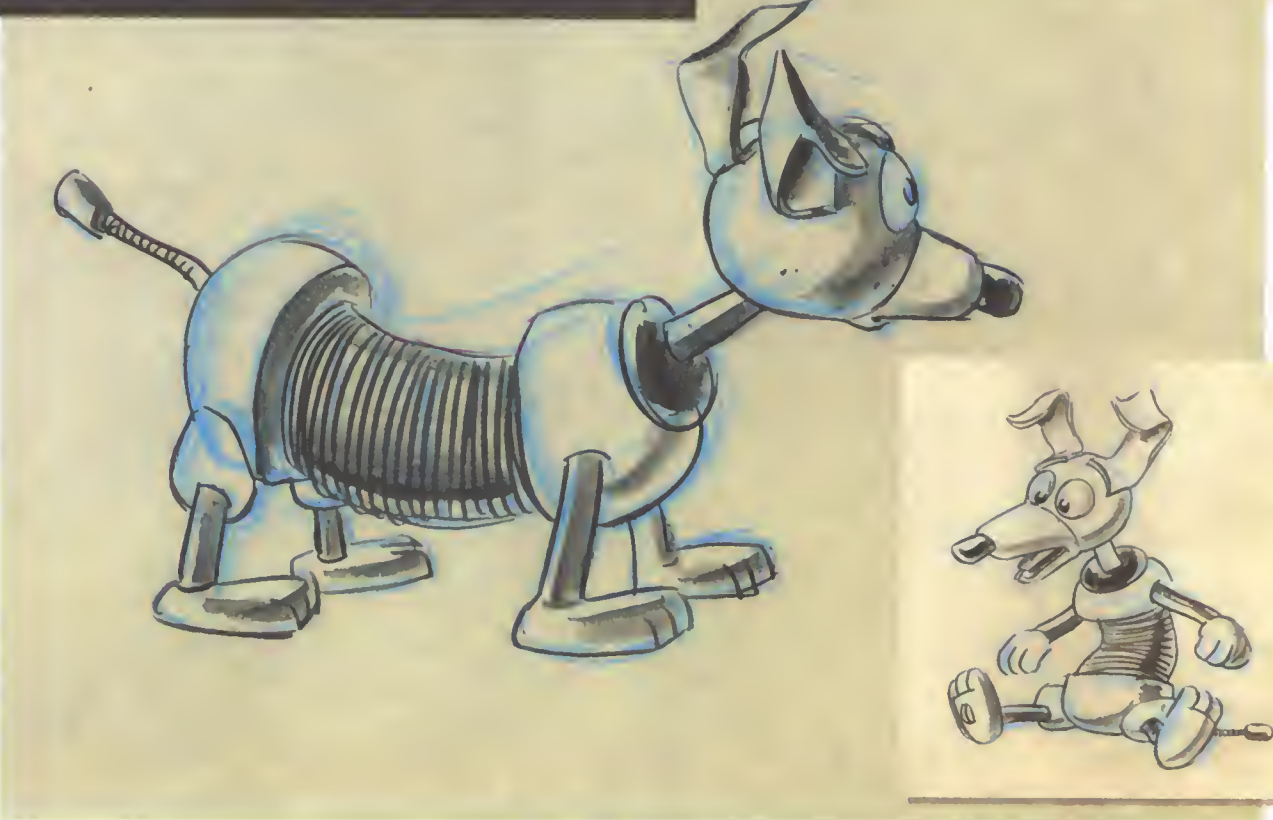


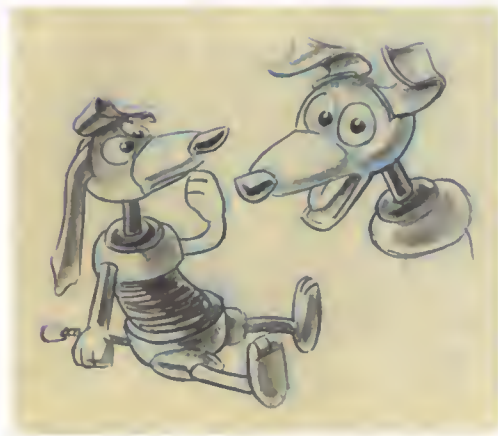






S L I N K Y

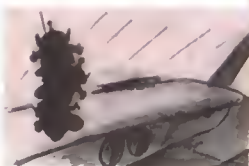
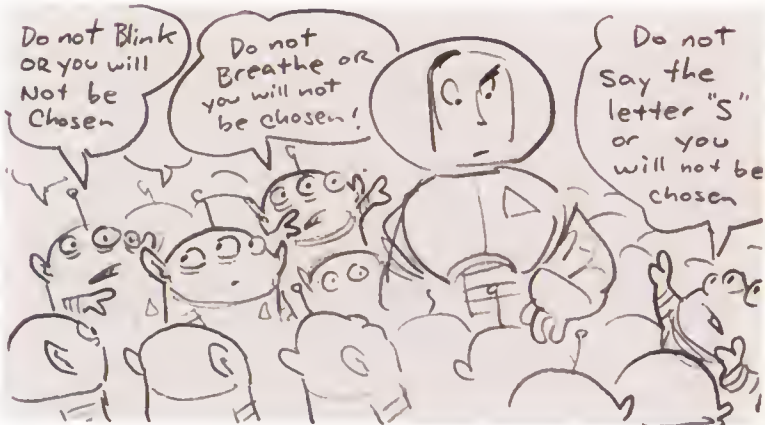




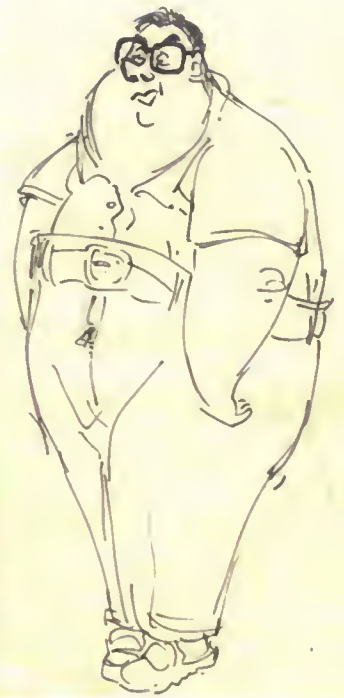




## A L I E N S



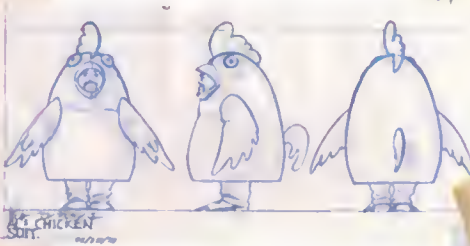




A L



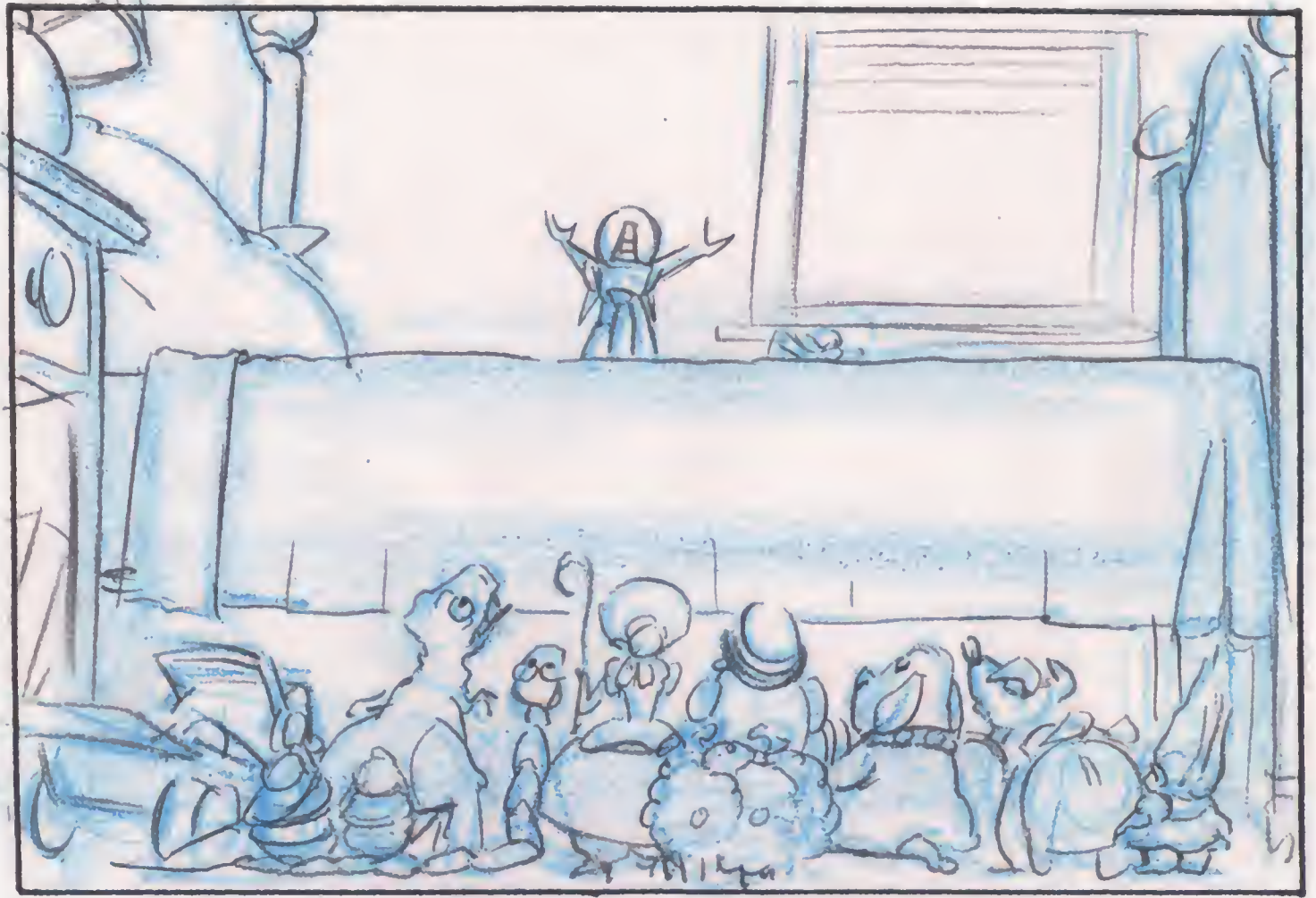


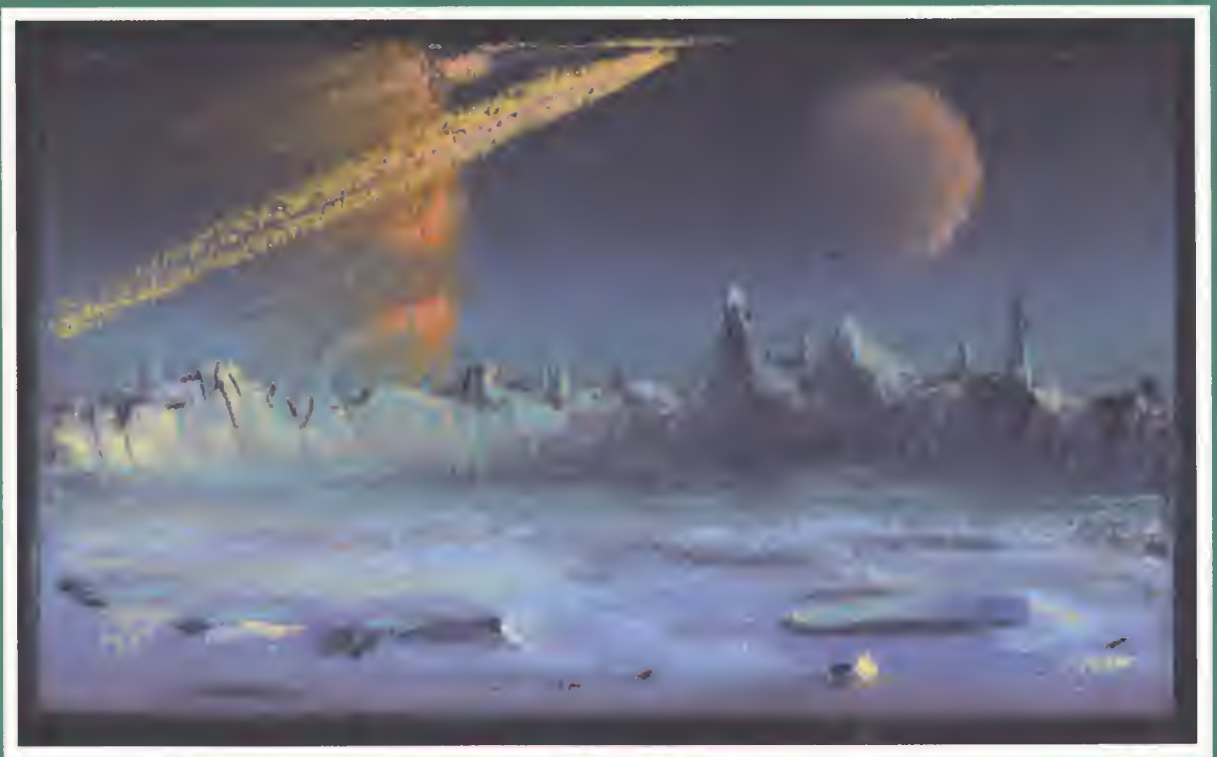


for actual colors  
see palette.

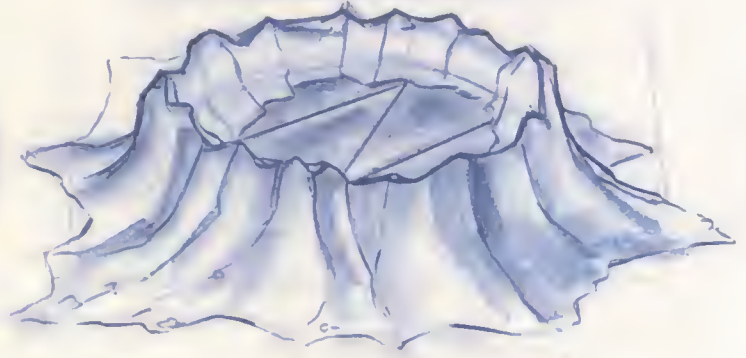
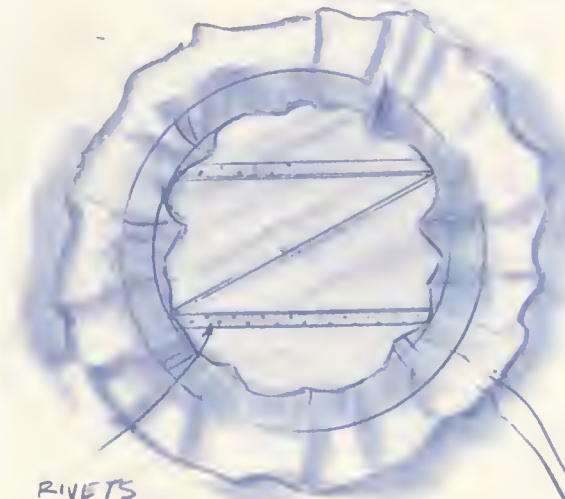








TOP (DOOR CLOSED)



IRREGULAR  
EDGE  
TO BLEND  
INTO GROUND  
PLANE

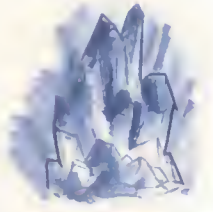
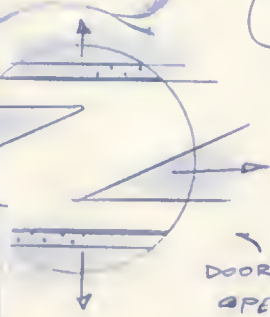
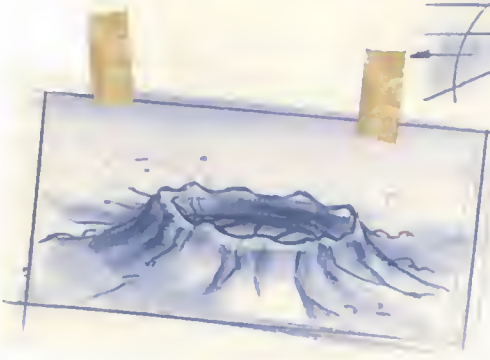
RIVETS  
ON REINFORCEMENT  
PLATE.

BULGE  
HEIGHT

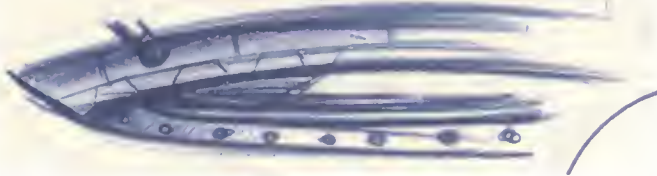
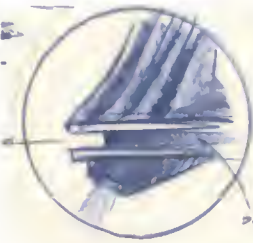
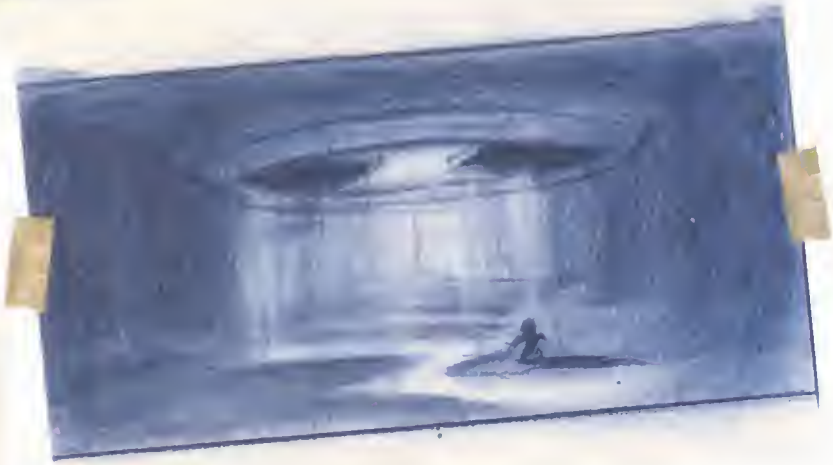
OVERHANG

DOOR

DOOR SECTIONS  
OPENING



# ZURG'S FORTRESS



METAL PLUG FITS  
FRAME

COARSE  
SHADER

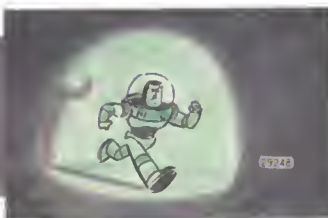
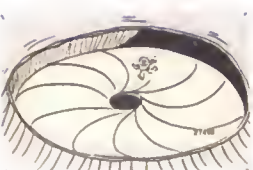
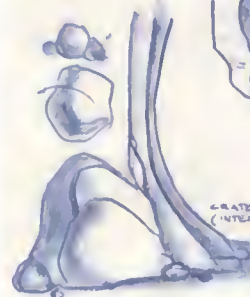
HATCH CLOSING  
FLUSH WITH  
WALL

FLAT ROCK  
FOR COVER

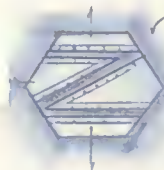
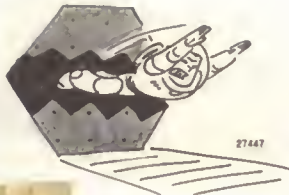
GRATER WALL  
(INTERIOR)

PLUG

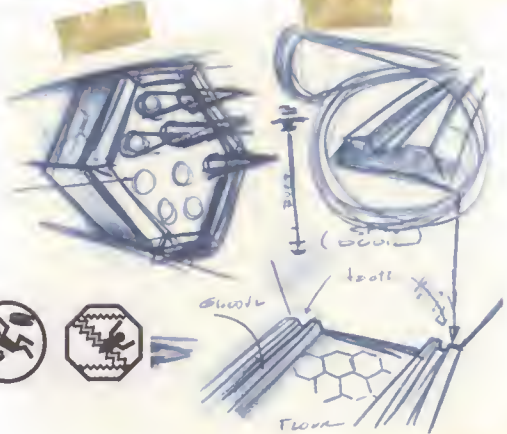
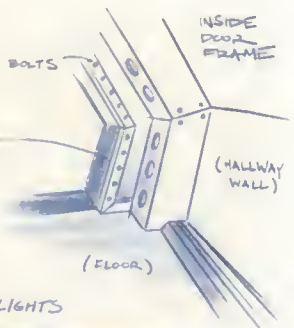
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HATCH



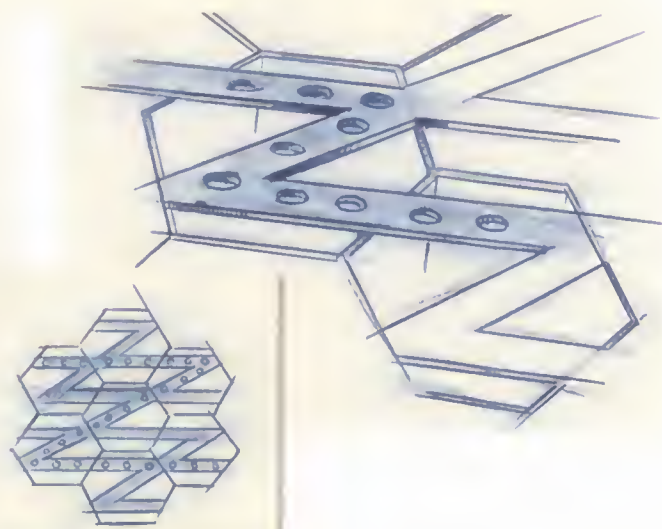
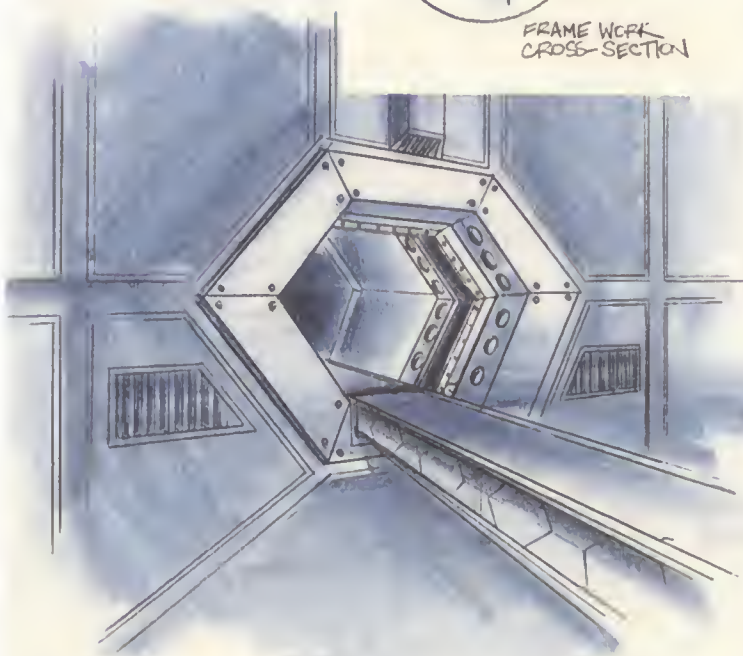
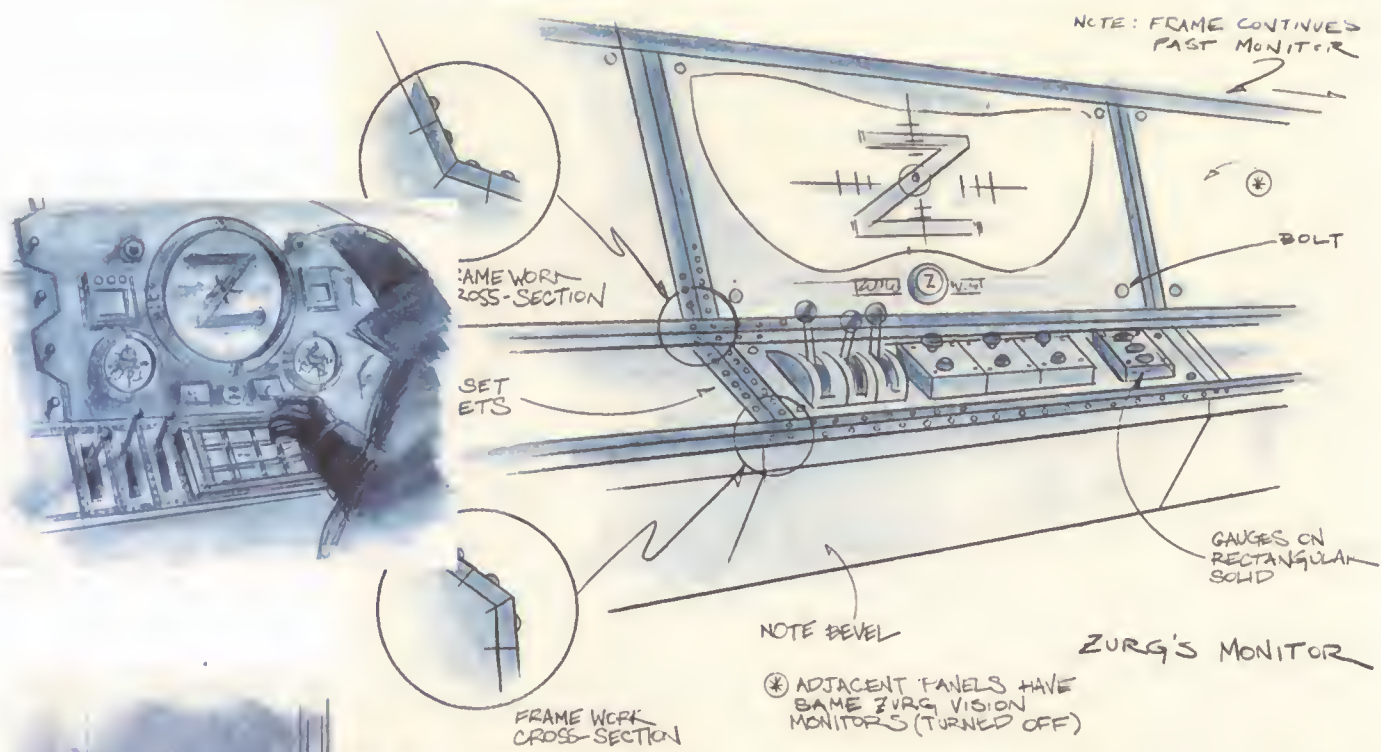




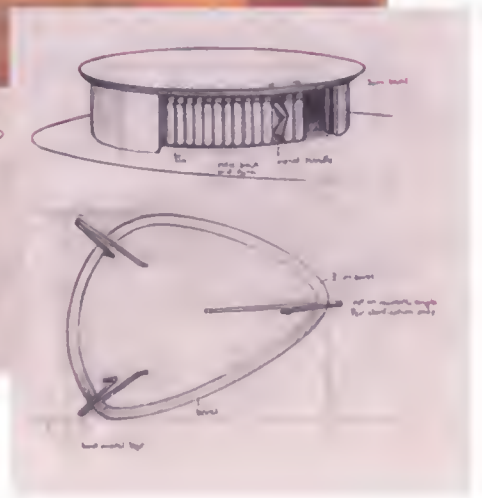
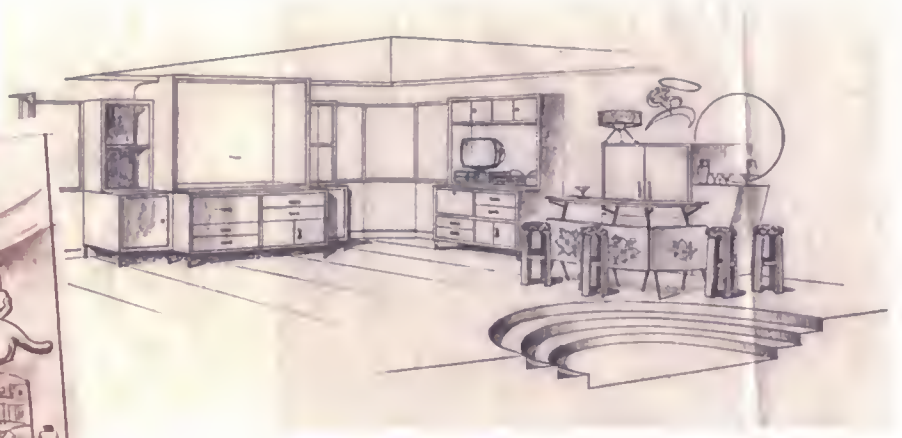
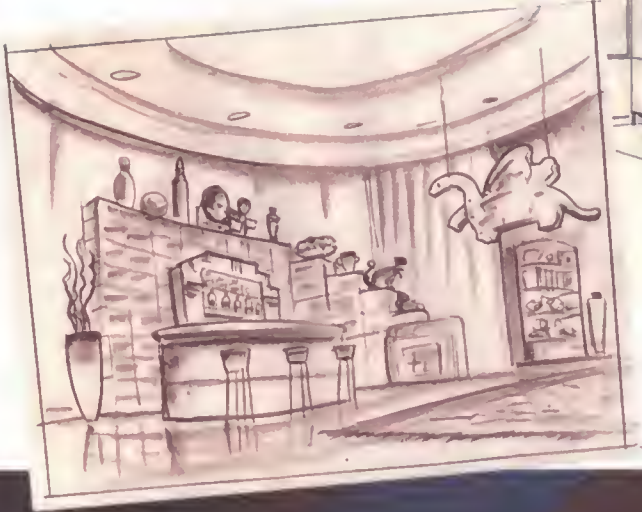
SAME  
"Z" DOOR  
ELEMENTS  
AS CRATER  
DOOR



BLAST DOOR













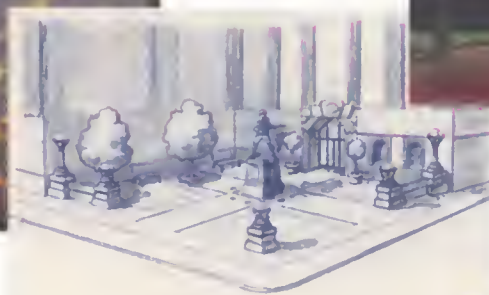


D O W N T O W N





Project  
Rural  
Architect  
Building  
and  
Landscape  
Area  
9-23-77  
Scale 1"=50'



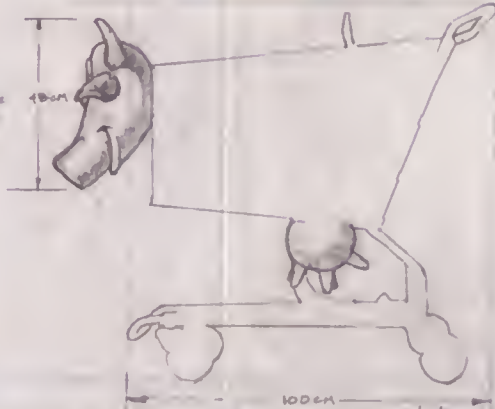


# AL'S TOY BARN

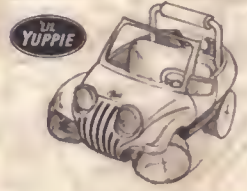




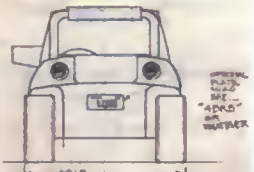
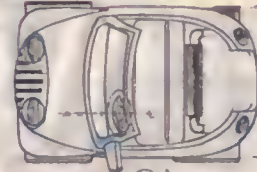




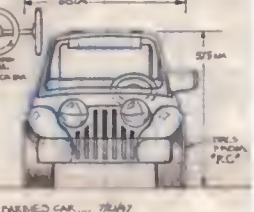
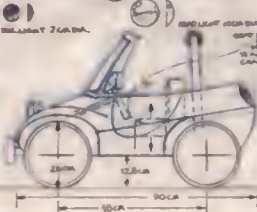




"LA YUPPIE" LATE 1970s

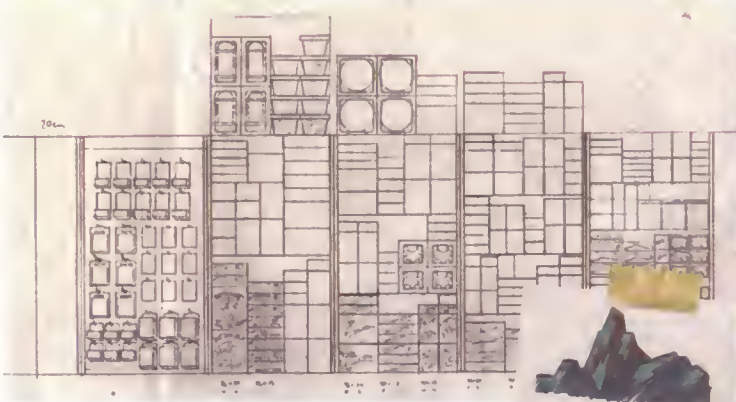


SPECIAL  
PLATE  
"APE"  
"APE"  
"APE"



TYPE 5  
"P.C."

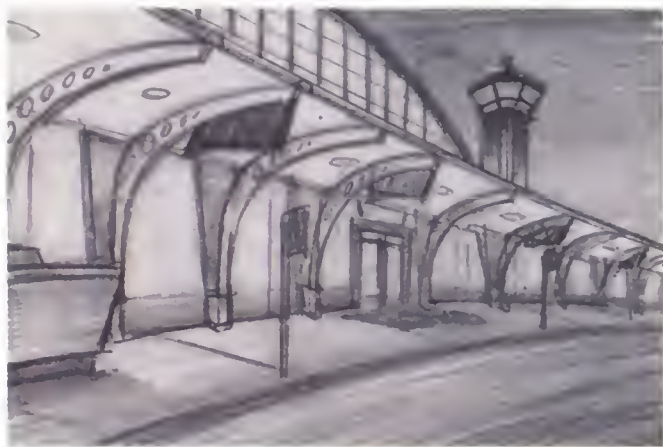
DARKED CAR... 7/19/7  
SCALE 1:2 = 20cm (1:1)



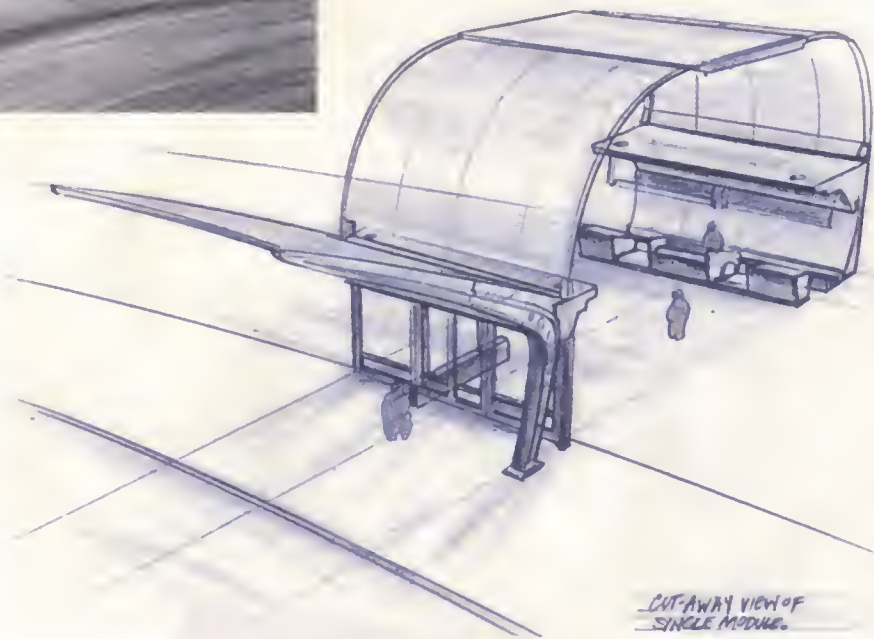
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Note: 100



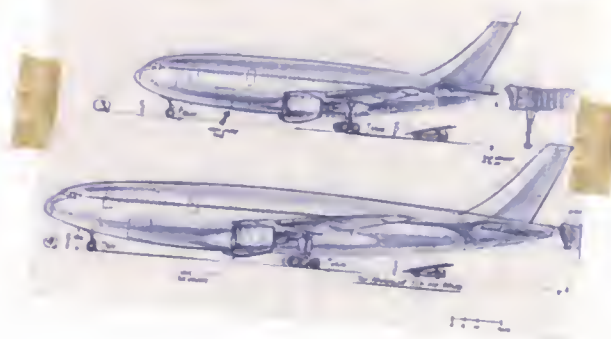




# A I R P O R T

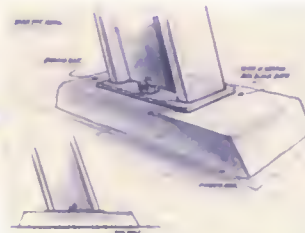
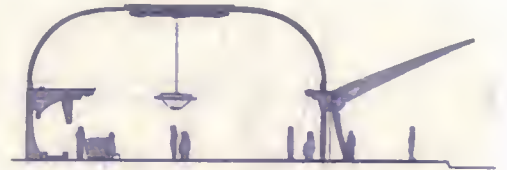
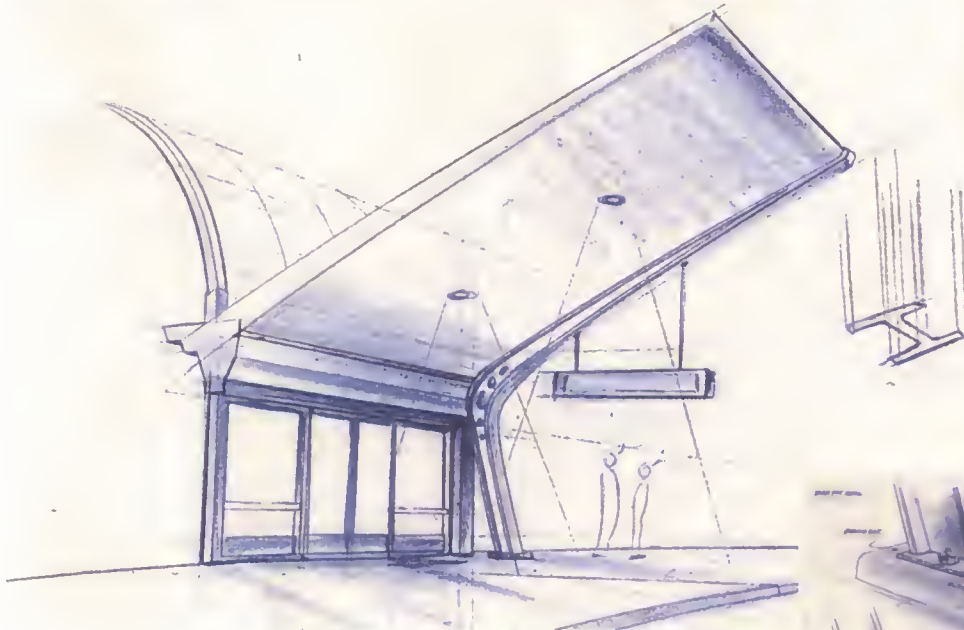


CUT-AWAY VIEW OF  
SINGLE MODULE.

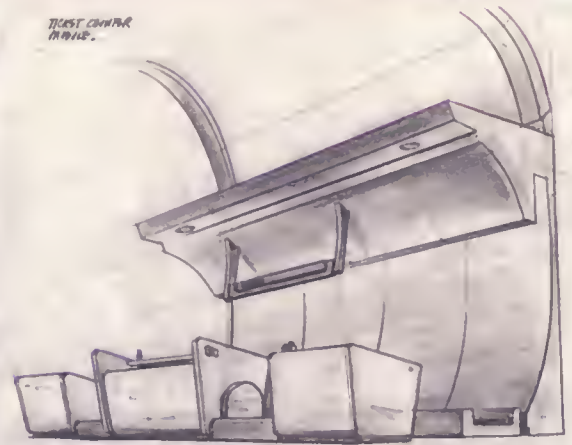
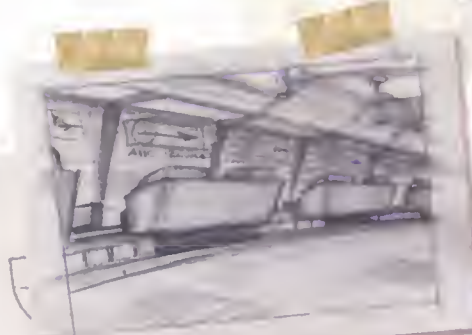


BASIC ARRIVAL  
MOVING ENTRANCE.

SHINE LIGHT  
PASTURE.



TICKET CENTER  
MACHINE.



BAG CONVEYOR  
CURVED.

FEET RUNS ON TOP  
OF BODY.

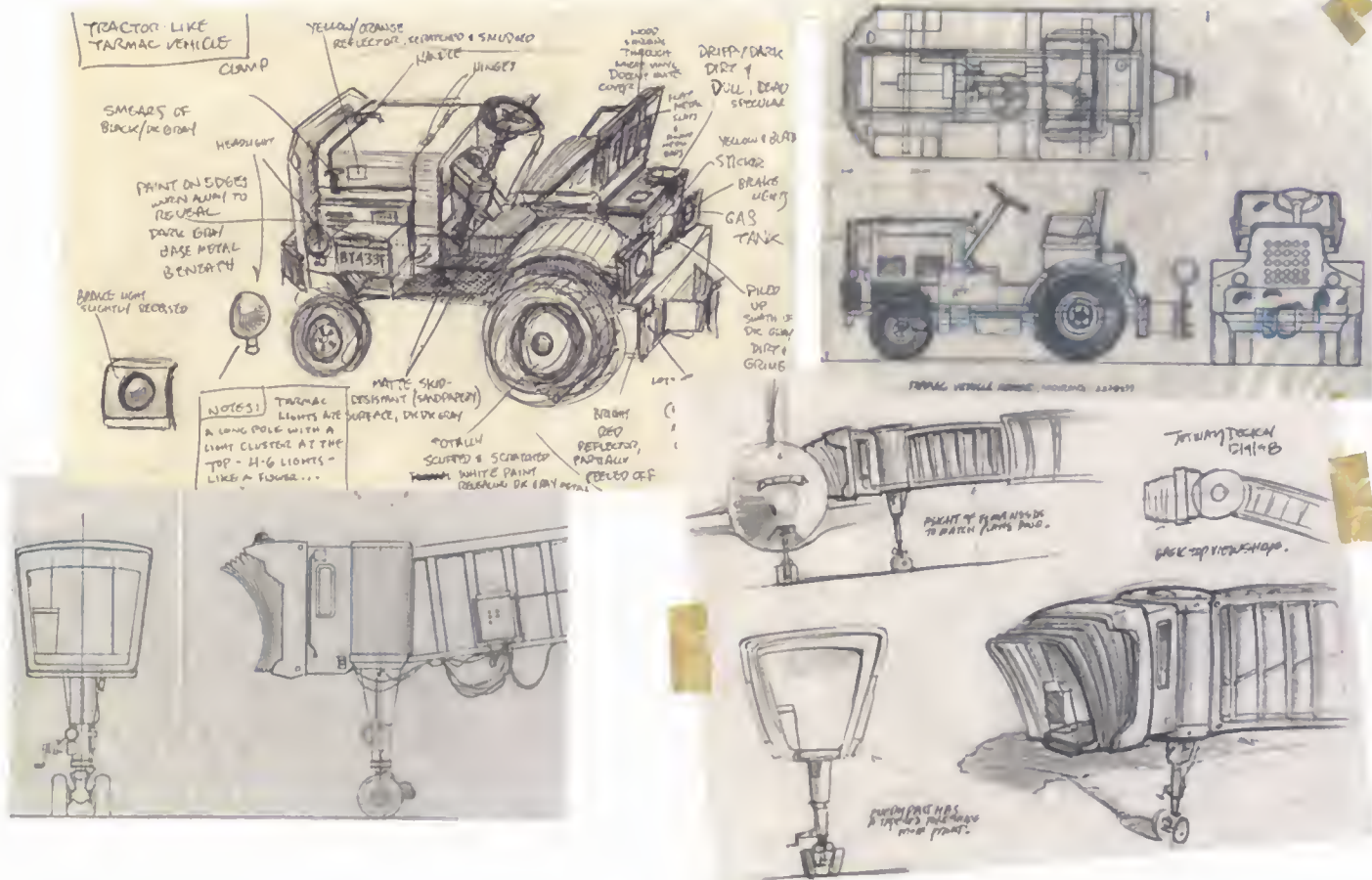
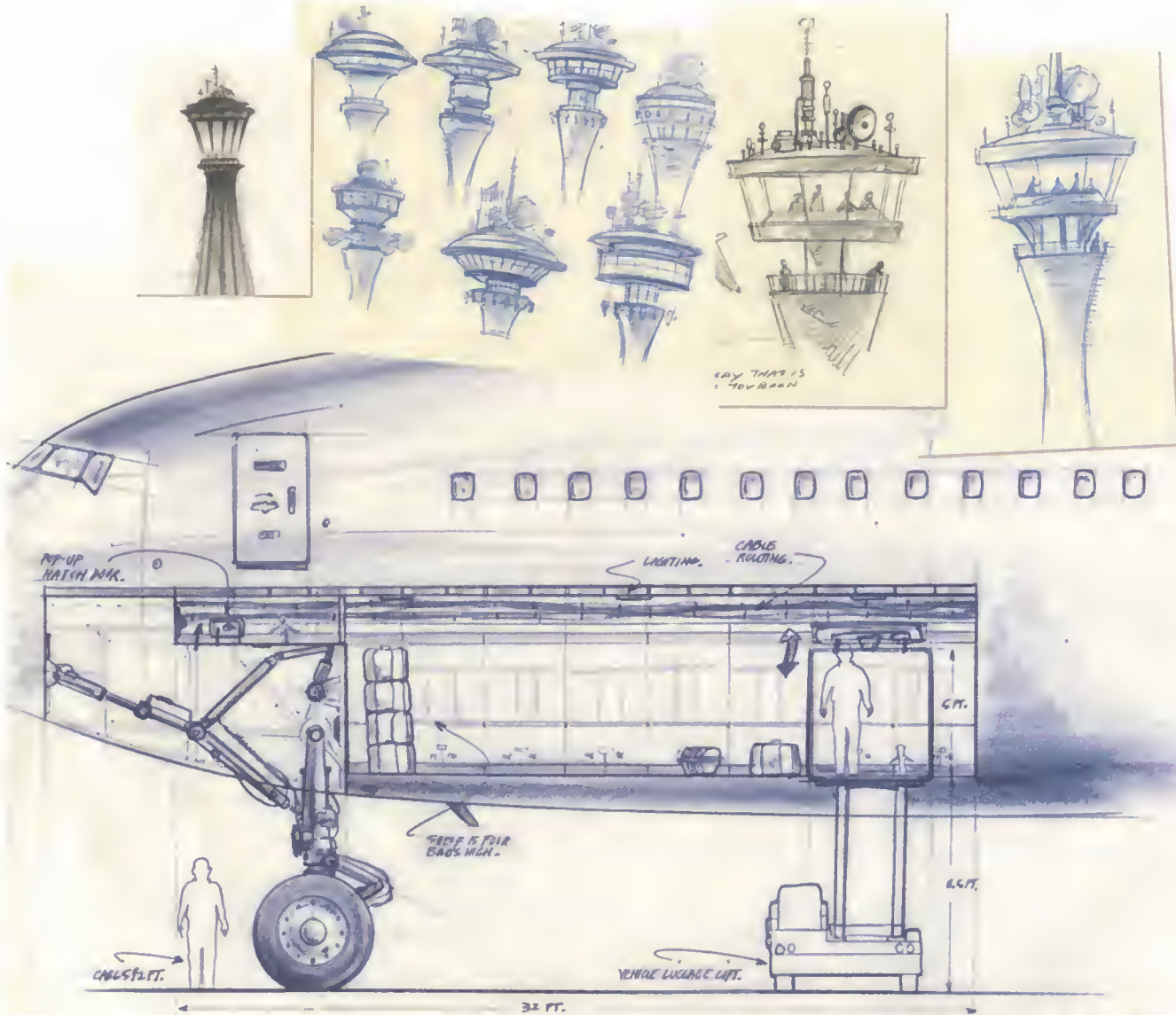
BAG CONVEYOR  
STRAIGHT.

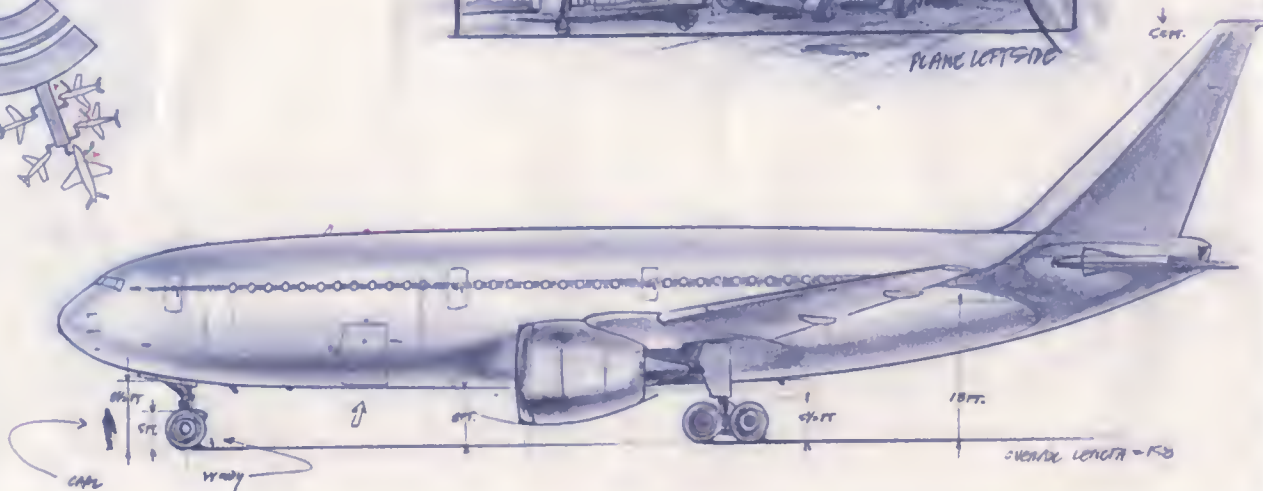
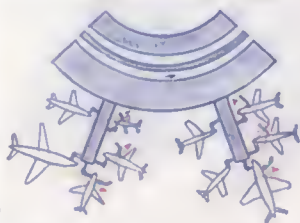
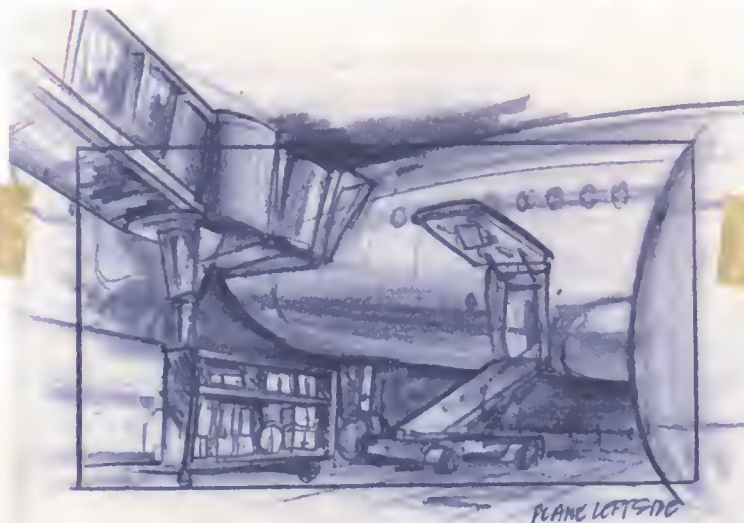
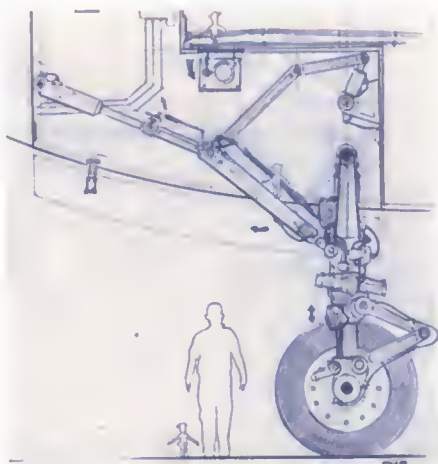
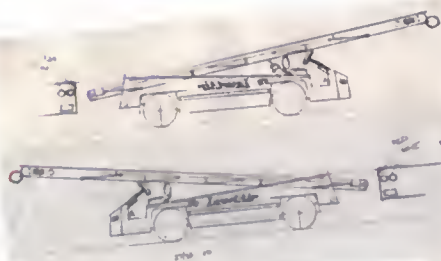
TICKETING/CONVEYOR  
VARIATIONS

CONTINUES









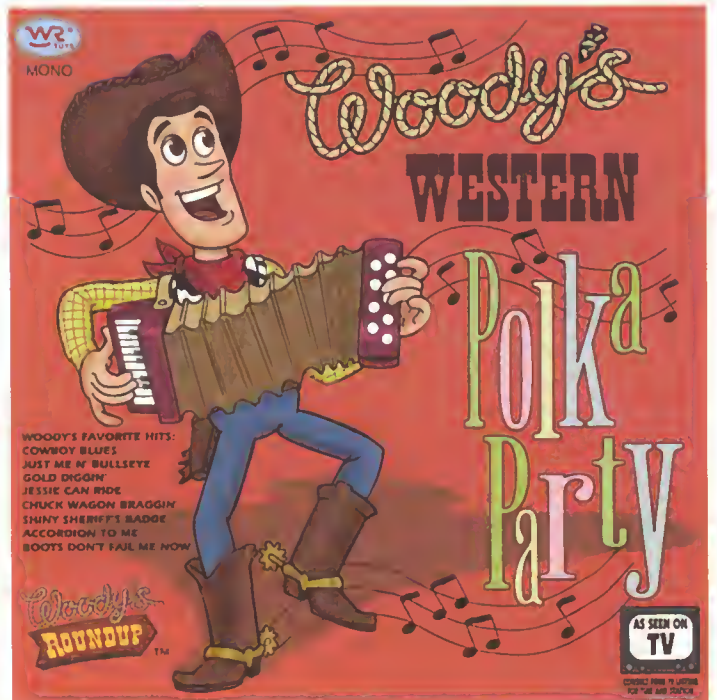




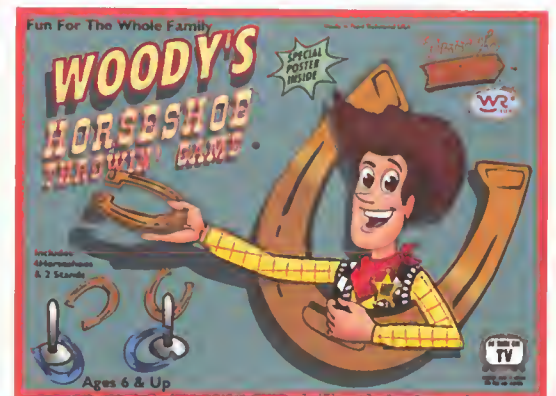
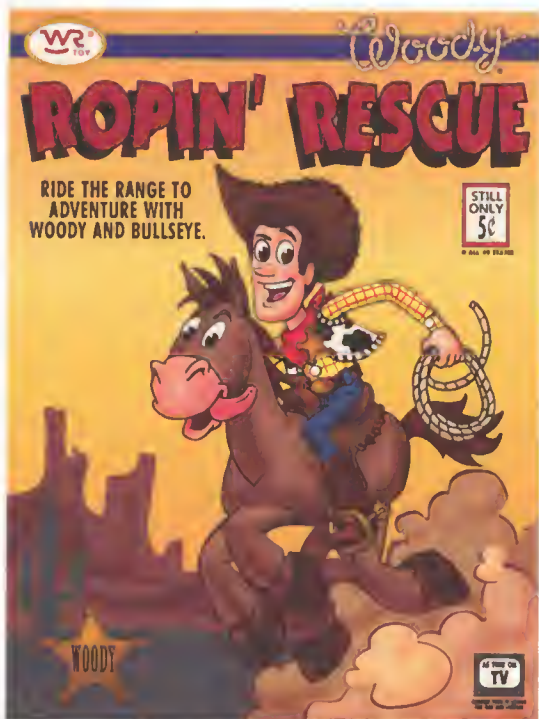
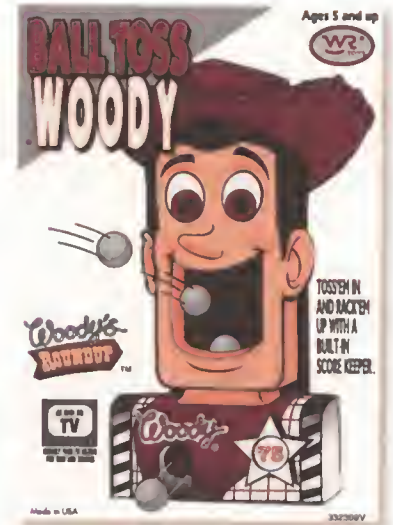
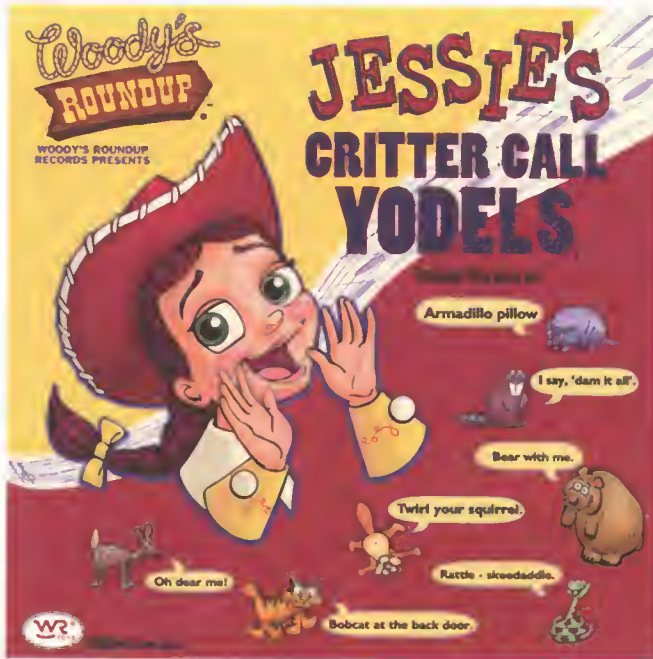




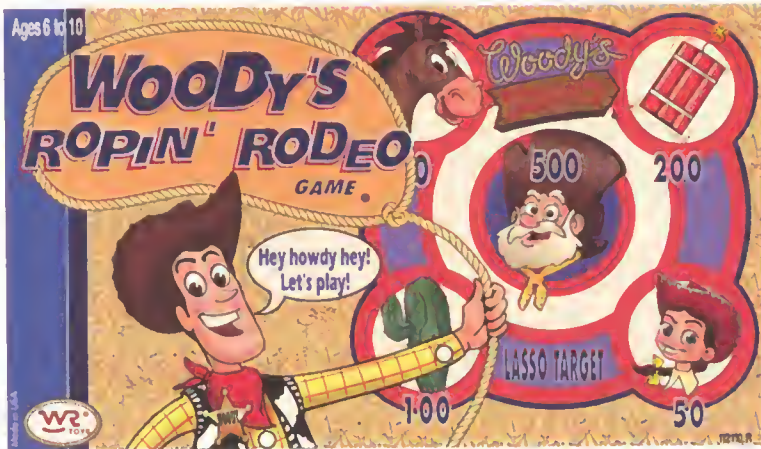
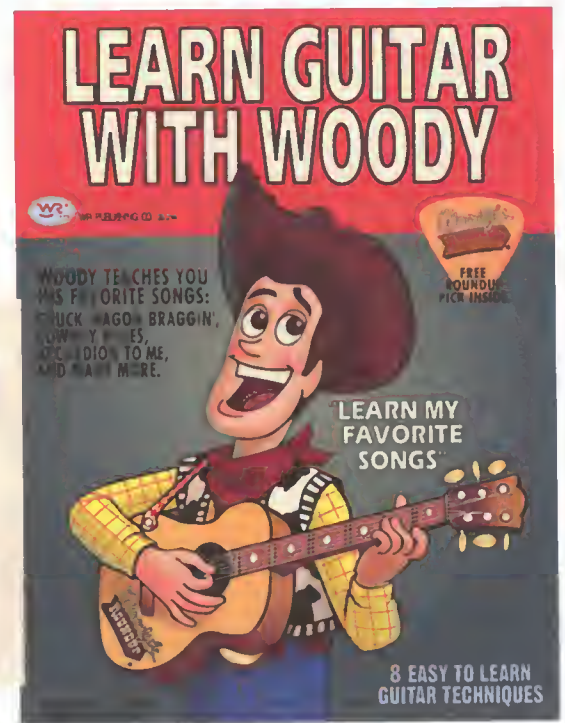
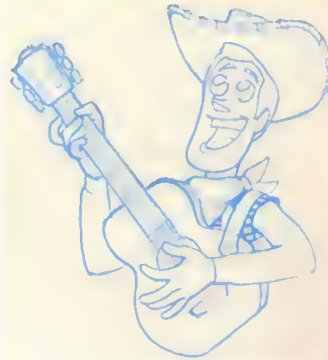
W O O D Y ' S   R O U N D U P



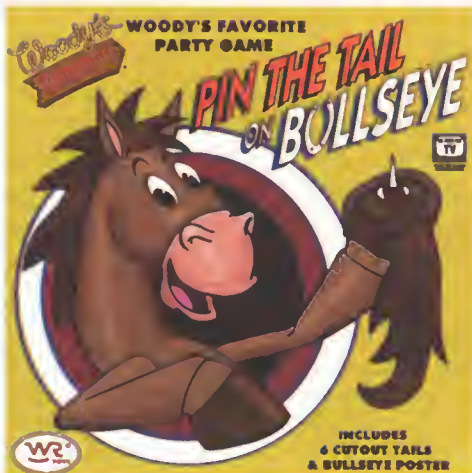
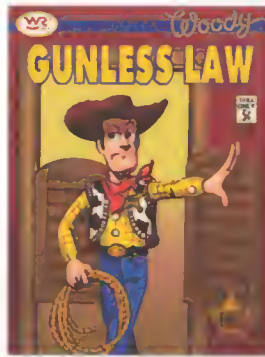
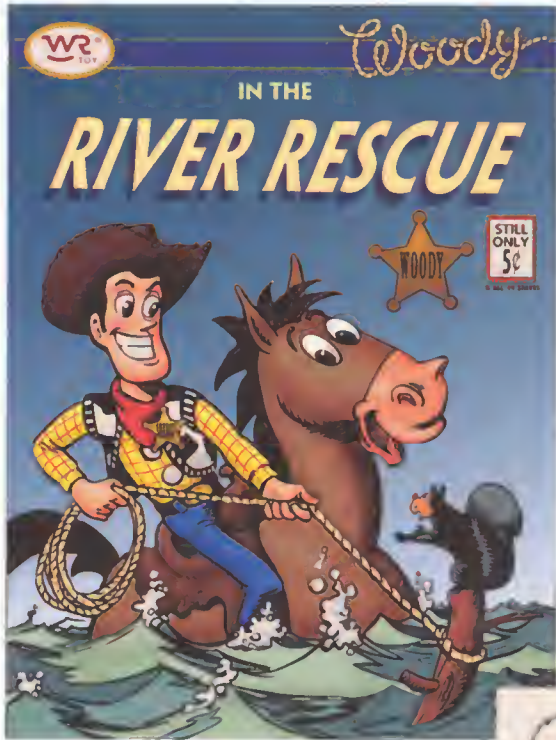










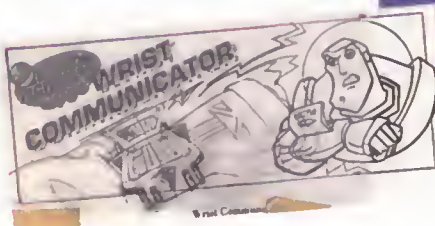
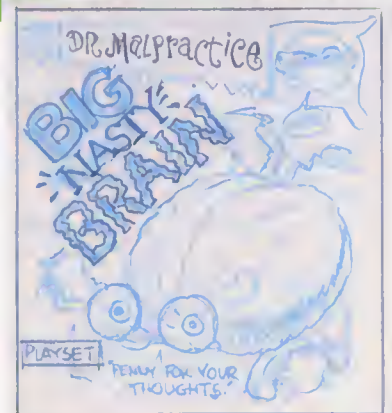
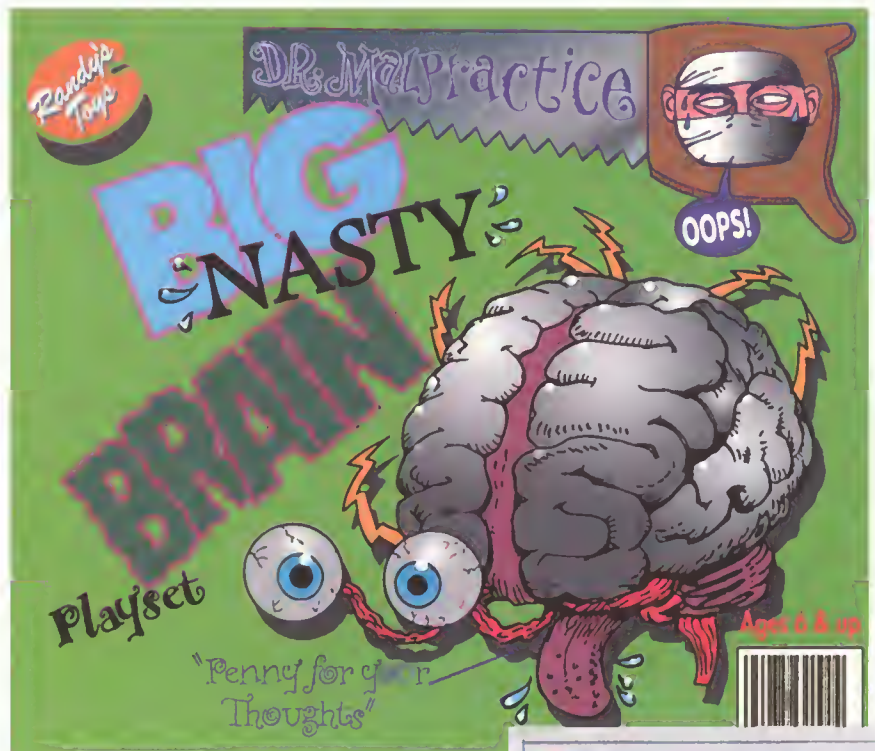




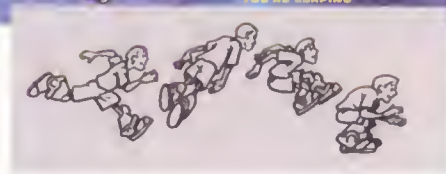
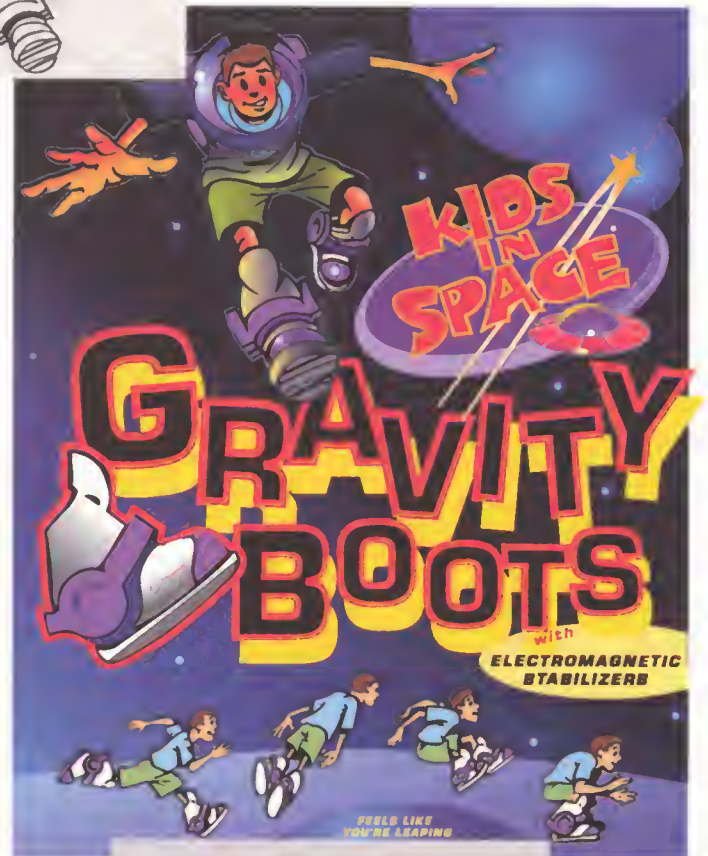
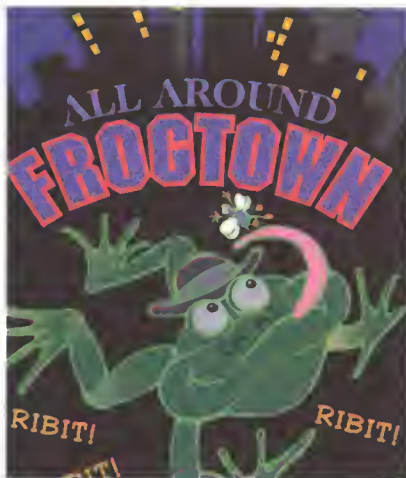




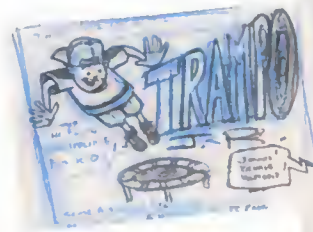
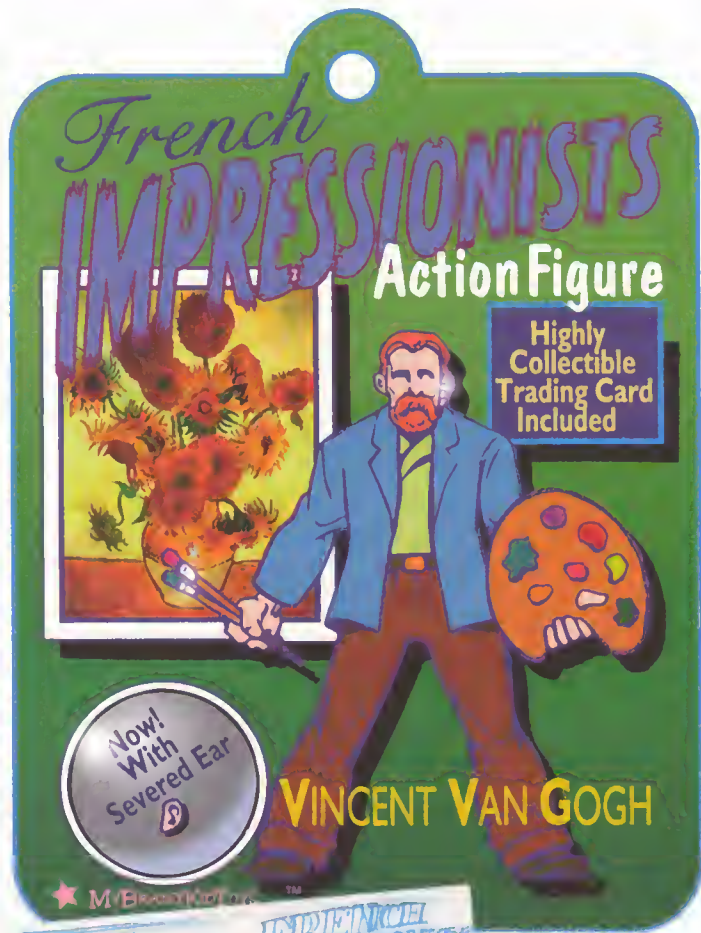
TOY BARN TOYS











**THE ORIGINAL!**

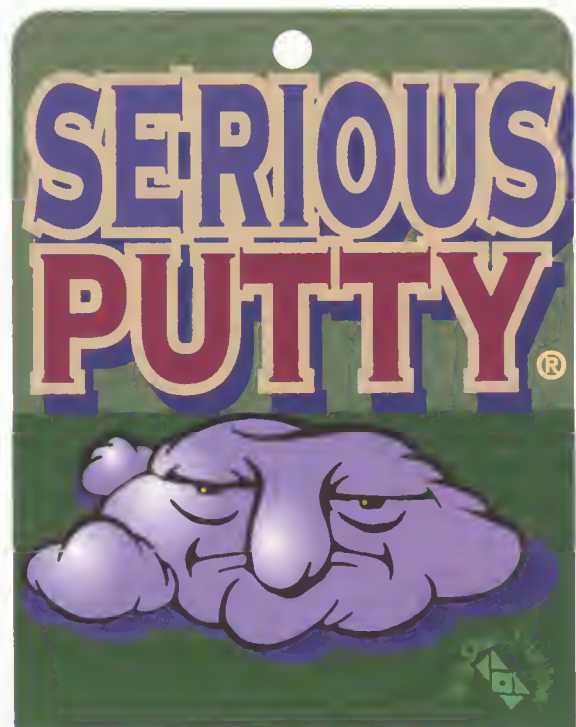


**TRAMPO Jr.**  
The Hi-Flyin'  
**TRAMPOLINE**  
for kids!

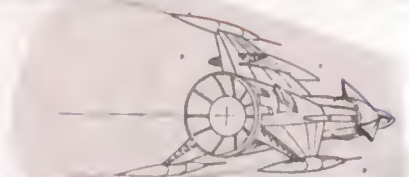
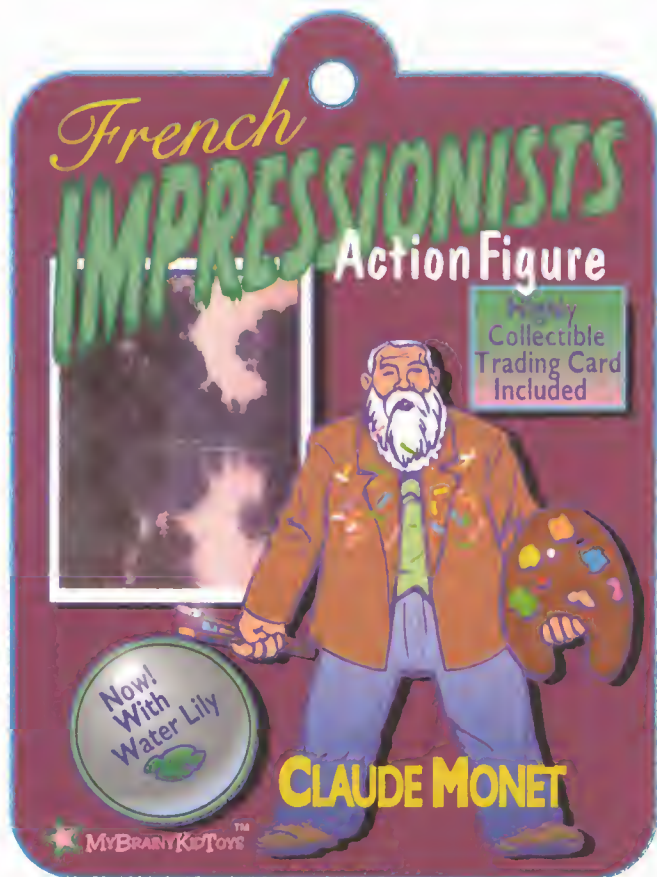
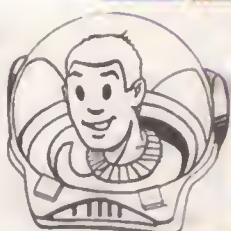
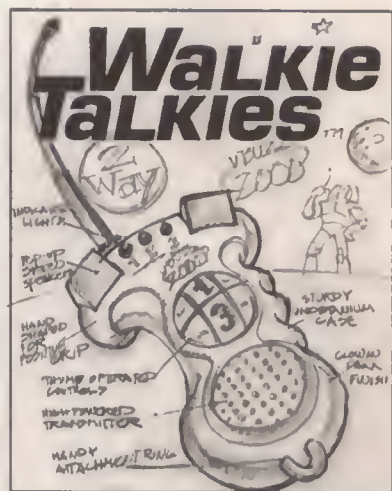
"JUNIOR!  
BEHAVE YOURSELF!!"

SOME ASSEMBLY REQUIRED

ALWAYS WEAR A HELMET, KNEE PADS, ELBOW PADS AND SPECIAL JUMPING SHOES. (NOT INCLUDED)











**T**he concept and development art created for our films is a vital, seldom-seen part of our filmmaking process. We are delighted to share with you this rare collection of artwork.

This sketchbook is the inspiration of John Lasseter, the director of *Toy Story* and *Toy Story 2*. Under the guidance of John and *Toy Story 2* co-directors Ash Brannon and Lee Unkrich, production designers Ralph Eggleston, Jim Pearson and Bill Cone elicited their teams' finest work to bring that vision to life.

Pixar's enthusiastic production staff was led by Jim Pearson, who worked with Violeta Diaz to create a layout and book design that would suit Pixar's unique format needs. Leeann Alameda organized the intensive process, handling compilation and assembly of art. Ed Chen skillfully prepared countless images. Katherine Sarafian oversaw the Pixar team's book production efforts. Ken Shue and Eric Huang at Disney Publishing, who have been advocates of a sketchbook since they first saw *Toy Story*, persevered to make the book possible. Phil Zuckerman at Applewood Books and Hunter Heller at Disney Publishing lent their unflinching support.

Pixar archivists Jonas Rivera and Alice Rosen were invaluable in helping to find the original artwork from the films. Vivian Procopio at Disney's Animation Research Library was instrumental in pulling together images. Additional digital image support and finishing touches were provided by Tim Lewis and Brent Ford at Disney Publishing.

This sketchbook has been a labor of love. We hope you will enjoy the art of *Toy Story* and *Toy Story 2* for years to come.

ED CATMULI  
EXECUTIVE PRODUCER, *TOY STORY*

SARAH MCARTHUR  
EXECUTIVE PRODUCER, *TOY STORY 2*

# TOY STORY

Executive Producers .....EDWIN CATMULL, STEVEN JOBS  
 Supervising Technical Director .....WILLIAM REEVES  
 Music by .....RANDY NEWMAN  
 Songs Written & Performed by .....RANDY NEWMAN  
 Original Story by .....JOHN LASSETER, PETE DOCTER,  
 ANDREW STANTON, JOE RANFT  
 Screenplay by .....JOSS WHEDON, ANDREW STANTON,  
 JOEL COHEN and ALEC SOKOLOV  
 Produced by .....RALPH GUGGENHEIM, BONNIE ARNOLD  
 Directed by .....JOHN LASSETER  
 Art Director .....RALPH EGGLESTON  
 Film Editors .....ROBERT GORDON, LEE UNKRICH  
 Supervising Animator .....PETE DOCTER  
 Sound Design .....GARY RYDSTROM  
 Production Supervisor .....KAREN ROBERT JACKSON

## CAST

Woody .....TOM HANKS  
 Buzz Lightyear .....TIM ALLEN  
 Mr. Potato Head .....DON RICKLES  
 Slinky Dog .....JIM VARNEY  
 Rex .....WALLACE SHAWN  
 Hamm .....JOHN RATZENBERGER  
 Bo Peep .....ANNIE POTTS  
 Andy .....JOHN MORRIS  
 Sid .....ERIK VON DETTEN  
 Mrs. Davis .....LAURIE METCALF  
 Sergeant .....R. LEE ERMEY  
 Hannab .....SARAH FREEMAN  
 TV Announcer .....PENN JILLETTE

## "You've Got a Friend in Me" (End Title)

Written and Produced by .....RANDY NEWMAN  
 Performed by .....RANDY NEWMAN & LYLE LOVETT  
 Executive Music Producer .....CHRIS MONTAN

## Story

Story Supervisors  
 JOE RANFT, ROBERT LENCE  
 Story Coordinator  
 SUSAN E. LEVIN  
 Story Artists

ANDREW STANTON, KELLY ASBURY, ASH BRANNON, MIKE CACHUELA,  
 JILL CUITON, PETE DOCTER, PERRY FARINOLA, JASON KATZ, BUD LUCKEY,  
 JEFF PIDGEON

## Animation

Directing Animators .....RICH QUADE, ASH BRANNON  
 Animation Managers .....TRIVA VON KLARK, BZ PETROFF

## Animators

MICHAEL BERENSTEIN, KIM BLANCHETTE, COLIN BRADY, DAVEY  
 CROCKETT FEITEN, ANGIE GLOCKA, REX GRIGNON, TOM K. GURNEY,  
 JIMMY HAYWARD, HAL T. HICKEL, KAREN KISER, ANTHONY B. LAMOLI-  
 NARA, GUIONNE LEROY, BUD LUCKEY, LES MAJOR, GLENN MCQUEEN,  
 MARK OFTEDAL, JEFF PIDGEON, JEFF PRATT, STEVE RABATICH, ROGER  
 ROSE, STEVE SEGAL, DOUG SHEPPECK, ALAN SPERLING, DOUG SWEETLAND,  
 DAVID TART, KEN WILLARD (1959-1995)

## Additional Animation

SHAWN P. KRAUSE, MATT LUHN, BOB PETERSON, ANDREW SCHMIDT,  
 MAUREEN E. WYLIE

Animation Check .....HEATHER KNIGHT  
 Animation Coordinator .....MAUREEN E. WYLIE

## Technical Artists

Associate Technical Director .....EBEN FISKE OSTBY  
 Technical Department Manager .....ALLISON SMITH MURPHY

## Modeling Team

MARK ADAMS, RONEN BARZEL, KEVIN BJÖRKE, LOREN C. CARPENTER,  
 DEBORAH R. FOWLER, DAMIR FRKOVIC, SHALINI GOVIL-PAI, DAVID R.  
 HAUMANN, MARK TIBERIUS HENNE, Yael MILÓ, DARWYN PEACHEY,  
 RICK SAYRE, ELIOT SMYRL, GALYN SUSMAN, GRAHAM WALTERS  
 Modeling & Shading Coordinator .....DEIRDRE WARIN  
 Shader & Visual Effects Supervisor .....THOMAS PORTER

## Shader Team

ANTHONY A. APODACA, BRIAN M. ROSEN, ELIOT SMYRL, GRAHAM  
 WALTERS, KEITH B.C. GORDON, LARRY GRITZ, LOREN C. CARPENTER,  
 MITCH PRATER, RICK SAYRE

## Visual Effects

MARK T. HENNE, OREN JACOB, DARWYN PEACHEY, MITCH PRATER, BRIAN  
 M. ROSEN

Lighting Supervisors .....SHARON CALAHAN, GALYN SUSMAN  
 Lighting Leads

LISA FORSELL, DEBORAH R. FOWLER, TRUONG GIA TIEN, WILLIAM A. WISE  
 Lighting Team  
 MARK ADAMS, ANTHONY A. APODACA, LARRY AUPPERLE, CYNTHIA  
 DUELTGEN, DAMIR FRKOVIC, SHALINI GOVIL-PAI, LARRY GRITZ, DAVID R.  
 HAUMANN, OREN JACOB, EWAN JOHNSON, KONISHI SONOKO, LES MAJOR,  
 Yael MILÓ, DESIRÉE MOURAD, KELLY O'CONNELL, JEFF PRATT,  
 MARK T. VANDEWETTERING

Illumination Engineer .....RONEN BARZEL  
 Lighting & Rendering Eoordinator .....BARBARA T. LABOUNTA  
 Assistant Coordinator .....DOUGLAS TODD

## Render Wranglers

KEITH OLENICK, ANDREW CHO, MICHAEL FONG, MICHAEL LORENZEN,  
 VIVEK VERMA

## Additional Modeling

MARK EASTWOOD, MONIQUE HODGKINSON, GREY HOLLAND

## Art

Art Manager .....TERRY HERRMANN MCQUEEN  
 Designer/Illustrator .....BOB PAULEY  
 Lead CG Painter .....TIA W. KRATTER  
 CG Painter/Designer .....WILLIAM CONE  
 CG Painter .....ROBIN COOPER  
 Sculptors .....SHELLEY DANIELS LEKVEN, NORM DECARLO

## Character Design

BOB PAULEY, BUD LUCKEY, ANDREW STANTON, WILLIAM CONE, STEVE  
 JOHNSON, DAN HASKETT, TOM HOLLOWAY, JEAN GILLMORE

## Concept Artwork

STEVE JOHNSON, LOU FANCHER, KEVIN HAWKES, WILLIAM JOYCE,  
 WILLIAM CONE, DAVID GORDON, BOB PAULEY, NILO RODIS

## Layout

Layout Manager .....BZ PETROFF  
 Supervising Layout Artist .....CRAIG GOOD  
 Lead Layout Artists .....EWAN JOHNSON, KEVIN BJÖRKE  
 Layout Artists .....ROMAN FIGUN, DESIRÉE MOURAD

## Set Dressers

KELLY O'CONNELL, KONISHI SONOKO, ANN M. ROCKWELL

## Additional Layout

SHAWN P. KRAUSE, BOB PETERSON, ANDREW SCHMIDT

## Editorial

Editorial Manager .....JULIE M. MCDONALD

## Assistant Editors

ROBIN LEE, TOM FREEMAN, ADA COCHAWI, DANA MULLIGAN  
 Second Assistant Editors .....STEVEN LIU, TORBIN XAN BULLOCK  
 Editorial Coordinator .....DEIRDRE MORRISON  
 Apprentice Editor/Digital Librarian .....PHYLLIS OYAMA  
 Apprentice Editor .....ED FULLER  
 Editorial Production Assistant .....JESSE WILLIAM WALLACE  
 Storyreel Music Wrestler .....ROBERT RANGLES  
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Senior Production Associate .....SUSAN HAMANA  
 Production Controller .....KEVIN REHER  
 Assistant Production Accountant .....TERRI GREENING  
 Pixar Finance .....LISA ELLIS  
 Purchasing/Facilities Manager .....DENNIS "DJ" JENNINGS  
 Purchasing Assistant .....KATHLEEN HANDY  
 Production Coordinators .....LORI LOMBARDO, ELLEN DEVINE  
 Assistant Production Coordinators .....VICTORIA JASCHOB,  
 LUCAS PUTNAM

Production Schedules Coordinator .....KATHERINE SARAFIAN

## Production Office Assistants

JONAS RIVERA, ALETHEA HARAMPOLIS, CHRISTIAN HILL,  
 NANCY COPELAND

Marketing & Promotions Coordinator .....MONICA CORBIN  
 Unit Publicist .....LAUREN STROGOFF  
 Digital Angel .....DARLA K. ANDERSON  
 Assistant to Ralph Guggenheim .....DEIRDRE WARIN  
 Assistant to Bonnie Arnold .....LORI LOMBARDO

## Assistants to John Lasseter and William Reeves

HEATHER L. FENG, SUSAN E. LEVIN

## Production Interns

ANDREW CALDWELL, MARTIN CAPLAN, RYAN CHISUM, TAKESHI  
 HASEGAWA, JAY HATHAWAY, JASON HENRY, STEVEN KANI, VICTORIA  
 LIVINGSTON, KEVIN PAGE, GUSTAVO RAMIREZ, BENJAMIN SALLES,  
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Computer Systems Manager .....DAVID H. CHING  
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 Macintosh Systems Engineer .....MICHAEL E. MURDOCK  
 Hardware Technician .....EDGAR QUIÑONES  
 Systems Operators .....ONNY P. CARR, ALEC WONG  
 Media Systems Engineer .....ALEX STAHL



Modeling & Animation System Development  
 WILLIAM REEVES, EBEN FISKE OSTBY, JOHN LASSETER, SAM LEFFLER,  
 DARWYN PEACHEY, RONEN BARZEL, LOREN C. CARPENTER, THOMAS  
 HAHN, CHRIS KING, PETER NYE, DREW ROGGE, BRIAN M. ROSEN,  
 RICK SAYRE, MICHAEL SHANTZIS, ELIOT SMYRL, HEIDI STETTNER

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 MANTLE, DAN MCCOY, DARWYN PEACHEY, THOMAS PORTER, WILLIAM  
 REEVES, DAVID SALESIN, DON SCHREITER, MARK VANDEWETTERING

Digital Massage Therapist.....NAROTTAMA ALDEN

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 Post Production Supervisor.....PATSY BOUGÉ  
 Post Production Administrator.....MARGARET YU  
 Post Production Scheduler.....HEATHER JANE, MACDONALD SMITH

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 A division of Lucas Digital Ltd., Marin County, California

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 Supervising Sound Editor.....TIM HOLLAND  
 ADR Editor.....MARILYN MCCOPPEN  
 Sound Effects Editor.....PAT JACKSON  
 Foley Editor.....MARY HELEN LEASMAN  
 Assistant Sound Designer.....TOM MYERS

Assistant Sound Editors  
 J.R. GRUBBS, SUSAN SANFORD, SUSAN POPOVIC, DAN ENGSTROM  
 Foley Artists.....DENNIE THORPE, TOM BARWICK  
 Foley Recordist.....TONY ECKERT

Casting Consultant.....RUTH LAMBERT  
 Additional Casting.....NANCY HAYES  
 ADR Voice Casting.....MICKIE MCGOWAN

Additional Voices  
 JACK ANGEL, SPENCER ASTE, GREG BERG, LISA BRADLEY, KENDALL  
 CUNNINGHAM, DEBI DERRYBERRY, CODY DORKIN, BILL FARMER, CRAIG  
 GOOD, GREGORY GRUDT, DANIELLE JUDOVITS, SAM LASSETER, BRITTANY  
 LEVENBROWN, SHERRY LYNN, SCOTT MCAFEE, MICKIE MCGOWAN,  
 RYAN O'DONOHUE, JEFF PIDGEON, PATRICK PINNEY, PHIL PROCTOR,  
 JAN RABSON, JOE RANFT, ANDREW STANTON, SHANE SWEET

DIRECTED by.....John Lasseter  
 CO-DIRECTED by.....Lee Unkrich  
 Ash Brannon

PRODUCED by.....Helene Plotkin  
 Karen Robert Jackson

EXECUTIVE PRODUCER.....Sarah McArthur

ORIGINAL STORY by.....John Lasseter  
 Pete Docter  
 Ash Brannon  
 Andrew Stanton

SCREENPLAY by.....Andrew Stanton  
 Rita Hsiao  
 Doug Chamberlin & Chris Webb

VOICE OF "WOODY".....Tom Hanks  
 VOICE OF "BUZZ LIGHTYEAR".....Tim Allen

MUSIC by.....Randy Newman

FILM EDITORS.....Edie Bleiman  
 David Ian Salter  
 Lee Unkrich

SUPERVISING TECHNICAL DIRECTOR.....Galyn Susman

DIRECTOR OF PHOTOGRAPHY.....Sharou Calahan

PRODUCTION DESIGN.....William Cone  
 Jim Pearson

STORY SUPERVISORS.....Dan Jeup  
 Joe Ranft

SUPERVISING ANIMATOR.....Glenn McQueen

LAYOUT SUPERVISORS.....Rikki Cleland-Hura  
 Ewan Johnson

SET DRESSING SUPERVISOR.....David Eisenmann

ASSOCIATE TECHNICAL DIRECTORS.....Oren Jacob  
 Larry Aupperle

MODELING SUPERVISOR.....Eben Ostby

SHADING SUPERVISOR.....Brad West

LIGHTING SUPERVISOR.....Jean-Claude Kalache

RENDERING SUPERVISOR.....Don Schreiter

PRODUCTION MANAGER.....Graham Walters

SOUND DESIGN.....Gary Rydstrom

EXECUTIVE MUSIC PRODUCER.....Chris Montan

CASTING by.....Ruth Lambert, C.S.A.  
 Mary Hidalgo

Music  
 Orchestrations by.....DON DAVIS, RANDY NEWMAN  
 Music Recorded and Mixed by.....FRANK WOLF  
 Music Editor.....JIM FLAMBERG  
 Associate Music Editor.....HELENA LEA  
 Music Production Supervisor.....TOD COOPER  
 Orchestra Contractor.....SANDY DE CRESCENT  
 Music Preparation.....JO ANN KANE MUSIC SERVICE

Recording Assistants  
 GREG DENNEN, TOM HARDISTY, BILL KINSLEY, SUSAN MCLEAN,  
 RAIL ROGUT  
 Music Recorded at  
 SONY PICTURES STUDIOS, CONWAY RECORDING STUDIOS,  
 OCEAN WAY RECORDING

Music Remixed at.....SIGNET SOUND STUDIOS  
 Dialog Recording.....DOC KANE, BOB BARON  
 Color Timer.....DALE GRAIN  
 Negative Cutters.....MARY BETH SMITH, RICK MACKAY  
 Title Design.....SUSAN BRADLEY  
 Titles by.....BUENA VISTA IMAGING  
 Title Optical Supervisor.....MARK DORNFELD

Live Action Dog Reference  
 APRIL, JENNY, MAGGIE MAE, MAX AND MOLLY

Production Babies  
 AIDAN, ALICE, AMALIA, ANN, AUDREY, BEN, CHASE, EMILY, ERIN, GEMMA,  
 ISAAC, JAKE, JENNA, KATIE, LIELLE, LILY, MAX, NATHANIEL, NEFTALI, RYAN,  
 SAM, SONIA, WILL

Computer Systems for Final Rendering  
 SUN MICROSYSTEMS, INC.

Special Thanks  
 Interactive Computer Workstations.....SILICON GRAPHICS, INC.  
 3-D Modeling Software.....ALIAS RESEARCH, INC.  
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 Processing by.....MONACO LABS  
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 Produced and Distributed on.....EASTMAN FILM

## TOY STORY 2

CAST  
 WOODY.....Tom Hanks  
 BUZZ LIGHTYEAR.....Tim Allen  
 JESSIE.....Joan Cusack  
 PROSPECTOR.....Kelsey Grammer  
 MR. POTATO HEAD.....Don Rickles  
 SLINKY DOG.....Jim Varney  
 REX.....Wallace Shawn  
 HAMM.....John Ratzenberger  
 BO PEEP.....Annie Potts  
 AL MC WHIGGIN.....Wayne Knight  
 ANDY.....John Morris  
 ANDY'S MOM.....Laurie Metcalf  
 MRS. POTATO HEAD.....Estelle Harris  
 SARGE.....R. Lee Ermey  
 BARBIE.....Jodi Benson  
 THE CLEANER.....Jonathan Harris  
 WHEEZY.....Joe Ranft  
 EMPEROR ZURG.....Andrew Stanton  
 ALIENS.....Jeff Pidgeon

ADDITIONAL STORY MATERIAL by  
 Dan Jeup, Jeff Pidgeon, Joe Ranft, Lee Unkrich, Jim Capobianco, Colin Brady,  
 Jimmy Hayward, Steve Boyett, Elias Davis & David Pollock, David Reynolds

STORY  
 STORY DEPARTMENT MANAGERS  
 Renee Jensen, Susan E. Levin

STORY ARTISTS  
 Jim Capobianco, David Fulp, Matthew Luhn, Ken Mitchroney, Max Brace, Jill Culton,  
 Rob Gibbs, Jason Katz, Bud Luckey, Ricky Nierva, Sanjay Patel, Bob Peterson, Jeff  
 Pidgeon, Jan Pinkava, Bobby Podesta, David Skelly, Nathan Stanton, Mark A. Walsh

ADDITIONAL STORYBOARDING  
 Don Dougherty, Davey Crockett Feiten, Stephen Gregory, Kirk Hanson, Steven Hunter,  
 Charles Keagle, Jorgen Klubien, Angus MacLane, Max Martinez, Jon Mead, Floyd  
 Norman, Karen Prell, John Ramirez, Tasha Wedeen

STORY DEPARTMENT COORDINATOR.....Lee Cruikshank  
 STORY DEPARTMENT ASSISTANT.....Adam Bronstein



## ART

ART DEPARTMENT MANAGER .....Matt White  
ART DIRECTOR - SHADING .....Bryn Imagire  
ASSISTANT ART DIRECTOR .....David Skelly

## CG PAINTERS

Randy Berrett, Robin Cooper, Yvonne Herbst, Glenn Kim, Laura Phillips

## SKETCH ARTISTS

Randy Berrett, Mark Holmes, Dan Lee, Nathaniel McLaughlin, Paul Mica,  
Laura Phillips, Jeff Sangalli, Gary Schultz, Bud Thon

## SCULPTORS

Norm DeCarlo, Jerome Ranft

## NEW CHARACTER DESIGNS

Randy Berrett, Ash Brannon, Colin Brady, Jill Culton, Dan Lee, Bud Luckey,  
Nathaniel McLaughlin, Ken Mitchroney, Jim Pearson

## VISUAL DEVELOPMENT

Sean Hargreaves, Dave Gordon, Harley Jessup

## ART DEPARTMENT COORDINATOR

Jen Kinavey

## ART DEPARTMENT PRODUCTION ASSISTANTS

Alice Rosen, Lilah Moscoso

## LAYOUT & SET DRESSING

LAYOUT DEPARTMENT MANAGER .....Molly Naughton  
SENIOR LAYOUT ARTIST .....Craig Good

## SEQUENCE LEADS

Shawn Brennan, Jeremy Lasky, Patrick Lin, Gregg Olsson

## LAYOUT ARTISTS

Robert Anderson, Wade Childress, Roman Figue, Craig McGillivray, Stephen Moros,  
Mark Sanford, Adam Schnitzer, Derek Williams

## SET DRESSERS

Jon Childress Farmer, Graham Moloy, Sophie Vincelette,  
Derek Williams

## SET DRESSING DEPARTMENT COORDINATOR

Trish Carney

## LAYOUT & SET DRESSING TDs

Brad Winemiller, Daniel Canpbell

## ADDITIONAL LAYOUT

Stephanie Andrews, Christine Z. Chang, Kevin Edwards, Ross Stevenson, Matt Uhry

## ADDITIONAL SET DRESSING

Robert Anderson, Wade Childress, Mark Sanford,  
Adam Schnitzer

## LAYOUT DEPARTMENT COORDINATOR

Heather Field

## LAYOUT & SET DRESSING PRODUCTION ASSISTANT

Gina Throvich

## ANIMATION

### DIRECTING ANIMATORS

Kyle Balda, Dylan Brown

### ANIMATION MANAGERS

Jenny Head, Kori Rae

### ANIMATORS

Nicolas Alan Barillaro, Stephen Barnes, Bohhy Beck, Michael Berenstein, Ash Brannon,  
Jennifer Cha, Scott Clark, Brett Coderre, Melanie Cordan, Tim Crawford, David  
DeVan, Mark Farquhar, Ike Feldman, Andrew Gordon, Stephen Gregory, Jimmy  
Hayward, Tim Hittle, Steven Hunter, Ethan Hurd, John Kahrs, Nancy Kato, Patty  
Kihm, Karen Kiser, Shawn Krause, Boh Koch, Peter Lepeniotis, Wendell Lee, Angus  
MacLane, Dan Mason, Jon Mead, Billy Merritt, Karyn Metlen, Valerie Mih, James Ford  
Murphy, Peter Nash, Mark Ofedal, Michael Parks, Bret Parker, Sanjay Patel, Bohhy  
Podesta, Jeff Pratt, Karen Prell, Brett Pulliam, Rich Quade, Mike Quinn, Roger Rose,  
Robert H. Russ, Gini Cruz Santos, Anthony Scott, Alan Sperling, Ross Stevenson, Doug  
Sheppeck, Doug Sweetland, David Tart, Warren Trezevant, Mark A. Walsh, Tasha  
Wedeen, Adam Wood, Christina Yim, Kureha Yokoo

### FIX ANIMATORS

Paul Mendoza, Andrea Schultz

## ANIMATION DEPARTMENT COORDINATOR

David Orecklin

## ANIMATION FIX COORDINATOR

Jenni Tsoi

## ANIMATION DEPARTMENT PRODUCTION ASSISTANT

Chris DiGiovanni

## EDITORIAL

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SECOND EDITOR .....Robert Graham Jones  
FIRST ASSISTANT EDITOR .....Jennifer Taylor

## SECOND ASSISTANT EDITORS

Craig Alpert, Christine Steele, Anna Wolitzky

## FIRST ASSISTANT EDITOR (FILM)

Ed Fuller

## SECOND ASSISTANT EDITORS (FILM)

Gus Carpenter, James M. Webb

## ADDITIONAL EDITING

James Austin Stewart, Ken Schretzmann, Richard Halsey, Mildred Iatrou

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Geddes, Christian Hill, Mike Marsh, Lucas Putnam, Katherine Ringgold, Sarah  
Schuhart, Chris Vallance, Mark Yeager

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TEMP SOUND EDITOR.....Rona Michele

EDITORIAL COORDINATOR .....Anne Pia

OMF COORDINATOR.....Sue Maatouk-Kalache

EDITORIAL PRODUCTION ASSISTANT .....Shannon Menendez-Chu

## TECHNICAL ARTISTS

### MODELING TEAM

### MODELING & SHADING COORDINATORS

Mark Nielsen, Vanessa Ross

### MODELING ARTISTS

Mark Adams, Paul Aichele, Lauren Alpert, Stephanie Andrews, James Bancroft,  
Lawrence D. Cutler, Rueta DaSilva, Cynthia Dueltgen, Damir Erkovic, Christian  
Hoffman, Roh Jensen, Stephen King, Michael Krummhoefener, Kelly O'Connell, Eileen  
O'Neill, Guido Quaroni, Dale Ruffolo, Don Schreiter, Gary Schultz, Skeggi Thormar,  
Patrick Wilson

### SHADING TEAM

### SHADING ARTISTS

John B. Anderson, David Batte, Kirk Bowers, Kevin Edwards, Mark Fontana, Michael  
Fu, Larry Gritz, Ben Jordan, Michael R. King, Stephen King, Andrew Kinney, Ana  
Lacaze, Daniel McCoy, Eileen O'Neill, Keith Olenick, John Singh Pottebaum, Mitch  
Prater, Guido Quaroni, Brian M. Rosen, Steve Upstill, David Valdez, John Warren

### ADDITIONAL MODELING & SHADING

Michael Fong, Patrick James, Steve May, Steve McGrath, Tim Milliron, Cynthia "Kiki"  
Pettit, James Rose

### MODELING & SHADING PRODUCTION ASSISTANT

Alexandria Devon Zech

### HUMAN TEAM

### HUMAN TEAM LEAD TDs

Lisa Forssell, Mitch Prater

### HUMAN MODELING & SHADING TEAM

Jason Bickerstaff, Lawrence D. Cutler, Mark Fontana, Ben Jordan, Leo Hourvitz,  
Sonoko Konishi, Michael Krummhoefener, Guido Quaroni, John Warren,  
Kimberly White, Adam Woodbury

### LIGHTING TEAM

### LIGHTING DEPARTMENT MANAGERS

Terry McQueen, Molly Naughton

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Christian Hoffman, Jesse Hollander, Roh Jensen, Ana Lacaze, Ken Lao, Joyce Powell,  
Kimberly White

### LIGHTING ARTISTS

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Gershheim, Michael B. Johnson, Jongo, Sonoko Konishi, Ivo Kos, Janet Lucroy, Craig  
McGillivray, Kelly O'Connell, Eileen O'Neill, Brandon Onstott, Cynthia "Kiki" Pettit,  
Seth Piezas, John Singh Pottebaum, Sudeep Rangaswamy, Dale Ruffolo, Bill Sheffler,  
Allison Torres, Tien Truong, John Warren, Patrick Wilson, Brian Daniel Young

### ADDITIONAL LIGHTING & SUPPORT

Kurt Fleischer, Mark Fontana, Tien Truong, Clay Welch

LIGHTING DEPARTMENT COORDINATOR.....Tom Kim

### EFFECTS TEAM

EFFECTS DEPARTMENT MANAGER.....Kelly T. Peters

### EFFECTS TECHNICAL ARTISTS

John B. Anderson, Lawrence D. Cutler, Lisa Forssell, Michael Fu, Leo Hourvitz, Jeffrey  
Jay, Ewan Johnson, Stephen King, Bill Polson, Guido Quaroni, Brad Winemiller

### ADDITIONAL EFFECTS

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### RENDER TDs

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### DIRECTOR OF ANIMATION SOFTWARE DEVELOPMENT

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DIRECTOR OF PRODUCTION FINANCE.....Robert Taylor  
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EXECUTIVE ASSISTANT TO THE PRODUCERS.....Rachel Raffael-Gates  
EXECUTIVE ASSISTANT TO THE  
EXECUTIVE PRODUCER.....Debbie L. O'Keefe  
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Warin, Hana Yoon

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Cory Knox, Gregory Yong Paik, Kristina Perez, May Pon, Manny Ponce, Josh  
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POST PRODUCTION SUPERVISOR.....Paul Cichocki  
SENIOR MANAGER OF EDITORIAL  
& POST PRODUCTION.....Bill Kinder  
POST PRODUCTION ASSISTANT.....Timothy Sorensen

POST PRODUCTION SOUND SERVICES PROVIDED BY  
SKYWALKER SOUND  
A division of Lucas Digital Ltd., LLC  
Marin County, California

RERECORDING MIXERS.....Gary Rydstrom, Gary Summers  
ORIGINAL DIALOGUE MIXER.....Doc Kane  
SUPERVISING SOUND EDITOR.....Michael Silvers  
SOUND DESIGN.....Gary Rydstrom, Tom Myers  
SOUND EFFECTS EDITOR.....Teresa Eckton, Shannon Mills  
FOLEY EDITORS.....Mary Helen Leasman, Susan Sanford  
SUPERVISING ASSISTANT SOUND EDITOR.....Marcie Romano  
ASSISTANT SOUND EFFECTS EDITOR.....Al Nelson  
ASSISTANT SOUND DESIGN.....Shannon Mills  
SOUND INTERN.....Lisa Fowle  
RE-RECORDIST.....Ronald G. Roumas, Jennifer Barin  
MIX TECHNICIANS.....Jurgen Scharpf, Juan Peralta  
MACHINE ROOM OPERATORS.....Gabriel Guy, Sean Landeros  
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FOLEY ARTISTS.....Dennie Thorpe, Jana Vance  
FOLEY MIXER.....Tony Eckert  
FOLEY RECORDIST.....Frank "Pepe" Merel  
ADDITIONAL ADR VOICE CASTING.....Mickie McGowan

ADDITIONAL VOICES  
Jack Angel, Bob Bergen, Mary Kay Bergman, Sheryl Bernstein, Rodger Bumpass, Corey  
Burton, Rachel Davey, Debi Derryberry, Jessica Evans, Bill Farmer, Pat Fraley, Jess  
Harnell, John Lasseter, Nicolette Little, Sherry Lynn, Mickie McGowan, Andi Peters,  
Jeff Pidgeon, Phil Proctor, Jan Rabson, Carly Schroeder, Madylin Sweeten, Hannah  
Unkrich, Lee Unkrich

"Woody's Roundup" Theme Song  
Music and Lyrics by.....Randy Newman  
Performed by.....Riders in the Sky

"When She Loved Me"  
Music and Lyrics by.....Randy Newman  
Performed by.....Sarah McLachlan

"You've Got A Friend in Me"  
Music and Lyrics by.....Randy Newman  
"Wheezy's Version" Performed by.....Robert Goulet  
Instrumental Version Performed by.....Tom Scott

Sarah McLachlan appears courtesy of Arista Records, Inc. and Nettwerk Productions, Inc.  
Tom Scott appears courtesy of Windham Hill Jazz

ORCHESTRATIONS BY.....Jonathan Sacks, Ira Hearshen, Randy Newman  
MUSIC RECORDED AND MIXED BY.....Frank Wolf  
SUPERVISING MUSIC EDITOR.....Bruno Coon  
MUSIC EDITOR.....Lisa Jaime  
ASSISTANT MUSIC EDITOR.....Brenda Heins  
DIRECTOR, MUSIC PRODUCTION.....Andrew Page  
MUSIC PRODUCTION MANAGER.....Tom MacDougall  
MUSIC PRODUCTION COORDINATOR.....Deniece LaRocca  
ADDITIONAL RECORDING BY.....Greg Reely  
ADDITIONAL ARRANGEMENTS BY.....Bruno Coon  
ORCHESTRA CONTRACTOR.....Sandy De Crescent  
VOCAL CONTRACTOR.....Luana Jackman  
MUSIC PREPARATION.....Jo Ann Kane Music Service  
MUSIC RECORDED AT.....Sony Pictures Studios, O'Henry Sound Studios, The Warehouse Studio  
MUSIC MIXED AT.....Signet Soundelux Studios

Additional Dialogue Recording  
Bob Baron, Bill Higley, John McGleena, Brian Reed

Color Timer.....Dale Grahm  
Negative Cutting by.....Buena Vista Negative Cutting  
Optical Titles.....Buena Vista Imaging  
Title Design.....Susan Bradley

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DIRECTOR OF FINANCE & CONTROLLER.....Sarah Flatley

FINANCE AND ADMINISTRATION  
Mary DeCola, Marty Eshoff, John Lausberry, Kirsten E. Radzikowski, Kathi Keeton,  
Ellen Fair, Linda McCampbell, Tim Glass, Mark Frazitta, Kenny Condit, Jim Ferrucci,  
CeCe Heimans, Melinda Jackson, Sue Williams, Susan Gatrill, Cheryl Murata,  
Bryn Fletcher, Andrea Nordemann, Kim Kelley

CREATIVE RESOURCES & MARKETING  
Katherine Sarafian, Leeann Alameda, Kim Cannon, Edward Chen, Margaret G. Davis,  
Karen Dufilho, Kathleen Handy, David R. Haumann, Jonas Rivera, Clay Welch

FACILITIES  
Tom Carlisle, Craig Payne, Christian Damerow, Ian Evans, Brian Tramor, Patricia  
Bavuso, Annaliza Constantino, Joni Superticioso

HUMAN RESOURCES  
Shelby Cass, Lisa Ellis, Ed Martin, Hlyse Klaidman, Andrew Lyndon, Randy Nelson,  
Diane Phillips, Sangeeta Prashar, Nina Sealander

PURCHASING & RELOCATION  
Dennis "DJ" Jennings, Amy Ellenwood

PRODUCTION BABIES  
Akira, Alice, Andrew, Anna Livia, Ben, Clio, Cory, Eli, Elizabeth, Eric, Ethan, Grace,  
Itai, Jack, Katie, Kevin, Kolya, Madeleine, Margot, Mary, McKinley, Micaela, Natalya,  
Nicholas, Oliver, Owen, Rohin, Sierra, Wyatt

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Sun Microsystems, Inc.

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Processing by.....Monaco Labs  
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